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**Cummins
Power
Systems**

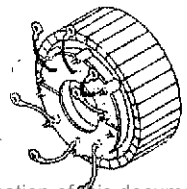
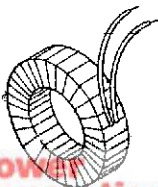
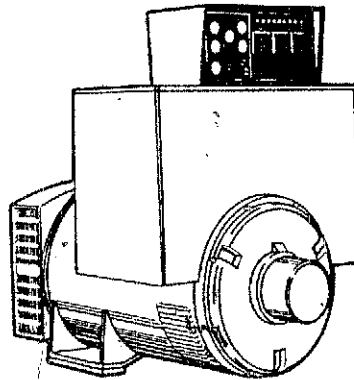
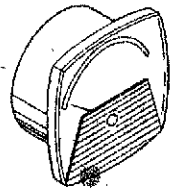
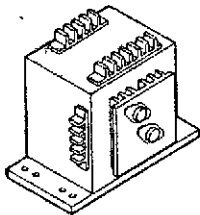
Parts Catalog

KT38

KTA38

KTTA38

PMG Generator Set



**Power
Generation**

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Introduction

This Parts Catalog applies to the Generator Sets Listed below. The illustrations are arranged in groups of related items, and each part, or assembly is identified by a Reference Number. All parts illustrated are typical, and unless otherwise mentioned in the description column the parts are interchangeable between models. Dual Part No. may be applicable; CPS are Cummins Power Systems assigned Part Numbers and CEC are the Cummins Engine Company assigned Part Numbers.

These typical illustrations are subject to change and reflect only the latest replacement parts arrangement. The Right and Left sides of the Generator Set are determined by FACING the FRONT of the Set (Engine Radiator End)

Set Data Table

ENGINE ID. No.	GEN SET ID No.	RPM RATING	BATTERY VOLTAGE
Note 1. KT38-G*# KTA38-G*# KTTA38-G*#	Note 2 xxxKT@ - \$ xxxKTA@ - \$ xxxKTT@ - \$	1800 RPM/ 1500 RPM 1800 RPM/ 1500 RPM 1800 RPM/ 1500 RPM	24 VDC 24 VDC 24 VDC

Note:1 * - Letter S for Standby. Letter C for Continuous Duty applications

Note:1 # - Number 1 thru 9 used to denote size variations.

Note:2 x - Numbers used to denote kW ratings: eg: 230 means 230,000/watt set.

Note:2 @ - Number used to denote size variations.

NOTE:2 \$ - Numbers and a letter used to provide configuration identification.

Electrical Data Table

VOLTAGE		HERTZ	WIRE	PHASE	NOTES
LOW Y	HIGH Y				
190/110	380/219	60	12	3	
208/120	416/220	60	12	3	
220/127	440/254	60	12	3	
230/133	460/266	60	12	3	
240/139	480/277	60	12	3	
190/110	380/219	50	12	3	
200/115	400/231	50	12	3	
208/120	416/240	50	12	3	

Engine Replacement Parts

The External Engine Components added or modified during the Generator Set Assembly and most General Maintenance Items are identified in this Parts Catalog. For Internal Engine Parts and Components not covered herein; refer to the applicable Cummins Engine G Drive Parts Catalog.




**Power
Generation**

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General Information

For parts or service, contact the distributor from whom you purchased this equipment or refer to the nearest Authorized Cummins Distributor.

To avoid errors or delays in filling your parts order, always give the full MODEL, SERIAL and ID No. from the nameplate.

		AC Generator Set Model _____	
kw	kva	pf	phase
voltage		amps	
duty		overload	
rpm		hz	
class of insulation		pmg voltage	
field amp max		field voltage max	
generator model no.			
voltage regulator model no.			
ID no.			
generator set serial no.			
BS5000		NEMA	

For handy reference, insert "YOUR" nameplate information in the spaces above.

⚠ WARNING

TAKE ALL NECESSARY PRECAUTIONS WHEN CHECKING OR CHANGING ENGINE OIL. NOT TO INGEST, BREATHE THE FUMES OR CONTACT THE OIL. USED ENGINE OILS HAVE BEEN IDENTIFIED BY FEDERAL AND SOME STATE AGENCIES AS CAUSING CANCER.

⚠ WARNING

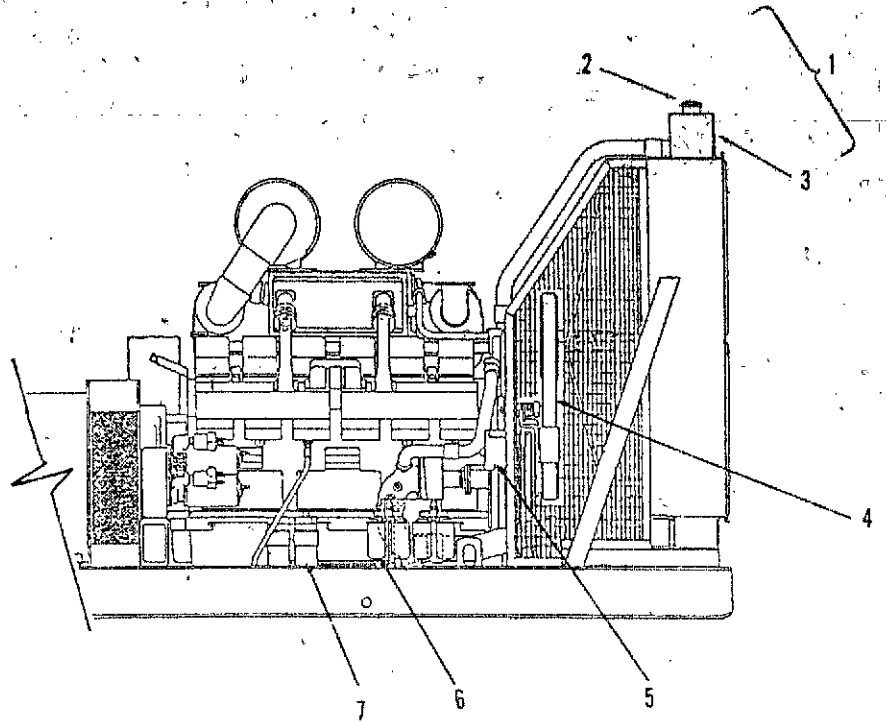
TAKE ALL NECESSARY PRECAUTIONS WHEN HANDLING ENGINE GASKETS. DO NOT INGEST, BREATHE, OR CONTACT DUST FROM GASKETS. USE ADEQUATE VENTILATION AND WEAR PROTECTIVE GLOVES, MASK AND CLOTHING. ASBESTOS HAS BEEN IDENTIFIED BY FEDERAL AND SOME STATE AGENCIES AS CAUSING CANCER. Distribution of this document by any means is strictly prohibited.



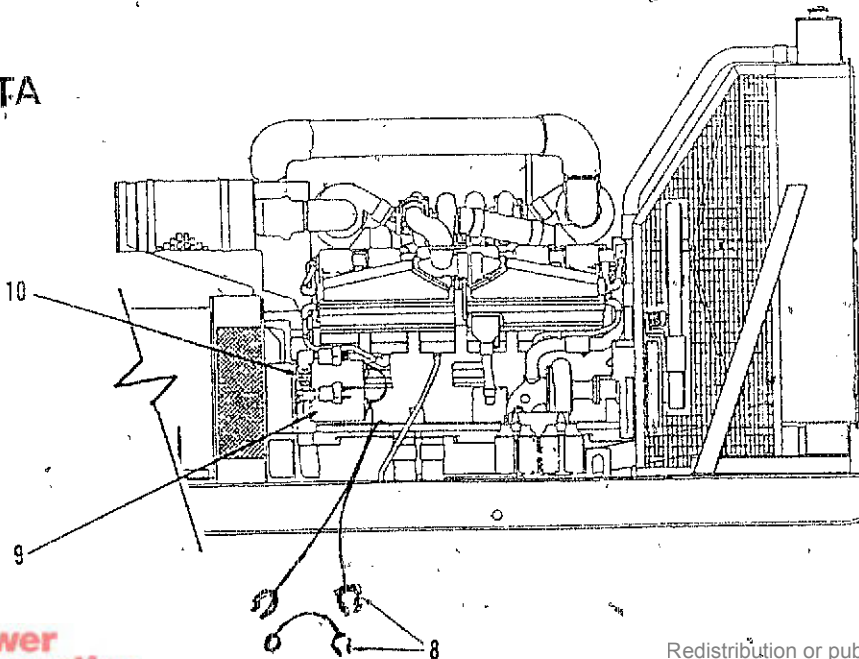
Power Generation

External Engine Components Left Side

KT,KTA



KT TA



Left Side

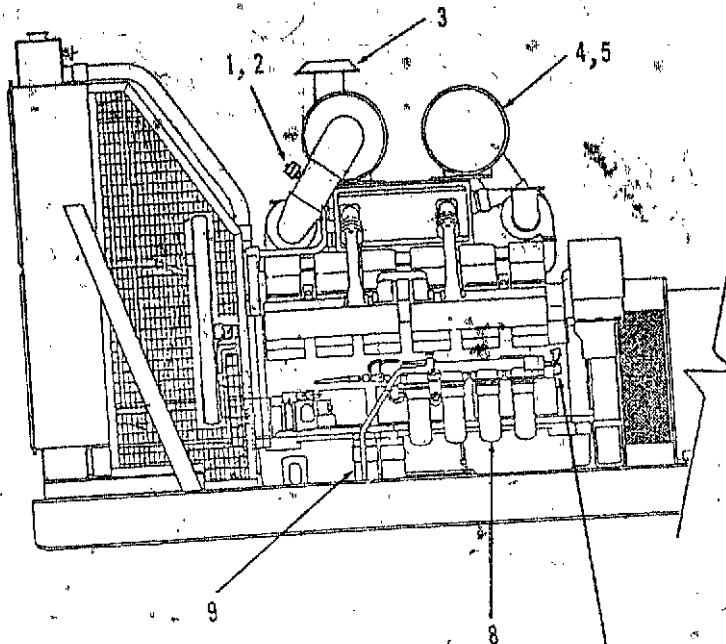
REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	Note 1 Note 2		REF	Cooling System - Radiator (Select components as required)
			1	Spec A & B & D
			1	Spec C
			1	KTA38G1 (Bearward# 53906-3PA)
			1	KTA38G2 (Bearward# 53906-3P)
			1	KTTA38G (Bearward# 53906-5PA)
2	130-0523 130-2981 130-3395		1 1 1	Cap, Radiator (Select as applicable) 7 PSI (For 2" Fill Tube) 7 PSI (For 3" Fill Tube) 10 PSI (For 2" Fill Tube)
3				Radiator (Includes Front Guards, Excludes Cap)
				Spec A & B & D
				Standard Cooling 40°C/100°F
		3050214	1	KT38G with Dry or Wet Manifold
		3050214	1	KTA38G1 with Dry Manifold
		3050213	1	KTA38G1 with Wet Manifold
		3050213	1	KTA38G2 with Dry or Wet Manifold
		3050213	1	KTTA38G with Dry Manifold (No wet Manifold Application)
				Hi Ambient Cooling 50°C/125°F
		3050214	1	KT38G with Dry Manifold
		3050213	1	KT38G with Wet Manifold
		3050213	1	KTA38G1 with Dry or Wet Manifold
		3050213	1	KTA38G2 with Dry Manifold
		3050212	1	KTA38G2 with Wet Manifold
		3050212	1	KTTA38G with Dry Manifold (No Wet Manifold Application)
				Spec C
				Standard or Hi Ambient Cooling
	130-3402		1	KTA38G1 with Dry Manifold
	130-3403		1	KTA38G2 with Dry Manifold
	130-3404		1	KTTA38G with Dry Manifold
4				Belt, Drive (Fan)
				Spec A & B & D
		3003467	1	All Models
				Spec C
		3003243	1	KTA38G1 & G2
		3003341	1	KTTA38G
5				Alternator, Charging Components
	191-1846-01	3016627	1	Alternator (35 Amp. 24 VDC)
	130-3317-01	201986	1	Pulley, Drive
	511-0163	3040283	2	Belt, Drive
6	Note 3			Filter, Water - W/Corrosion Inhibiting Chemical DCA4
	130-3537	3315166	4	Service
	130-3541	3318318	4	Pre-Charging
7	122-0526	3313283	2	Filter, Oil - Bypass
8				Cables & Leads
	416-0473		2	Cable, Battery - Jumper
	416-0444		4	Cable, Battery (44" Lg)
	416-0680		3	Lead, Electrical
9				Starter, 24 VDC
		3010125	2	Standard
10	307-2621-02	3050692	1	Switch, Magnetic

NOTES:

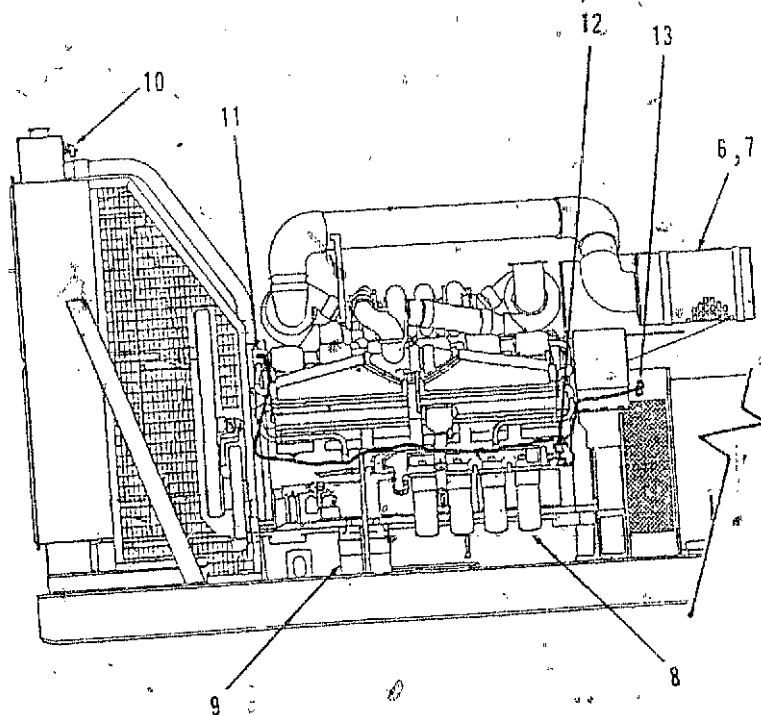
1. Spec 'A' & B & D Cooling Systems Assembled by Cummins Engine Company, for replacement components refer to the applicable Engine G-Drive Parts Manuals.
2. Spec 'C' Cooling Systems Installed at Cummins Power System Facilities and is Supplied by Bearward. Consult with Bearward for additional replacement components.
BEARWARD ENGINEERING LTD
Main Road, Far Cotton
Northampton, England NN4 9HU
USA Office: BEARWARD RADIATOR
Route 22 Box 187
Fleetwood, PA 19522
215-944-6017
3. Replacement cartridges recommend and should be used in lieu of the Original Engine Factory Installed Item which contains a Pre-Charge amount of DCA or DGA4 Chemical. Replacement with Pre-charge Cartridge may overload the Cooling System and cause cooling system problems.

External Engine Components Right Side

KT,KTA



KTTA



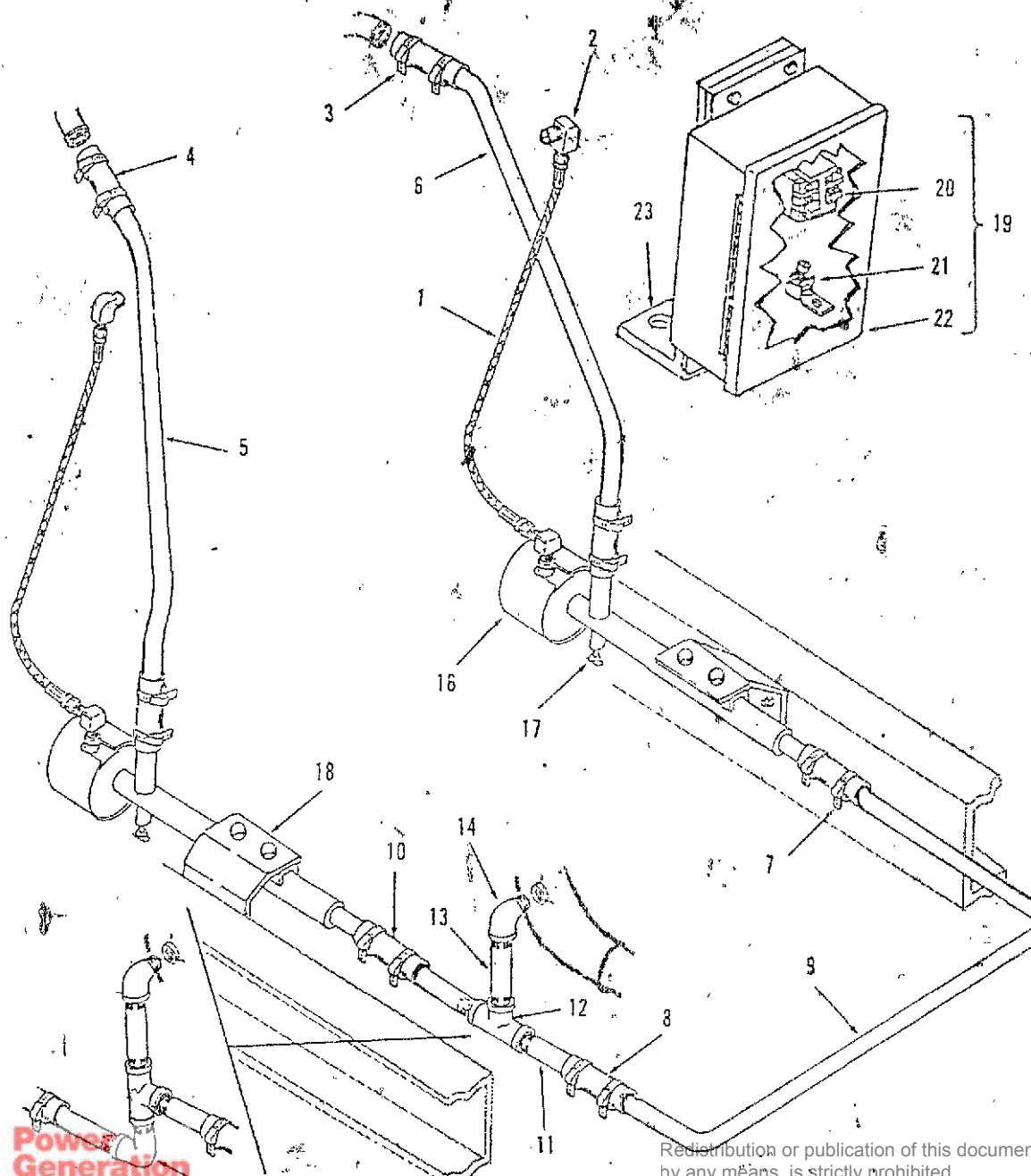
External Engine Components Right Side

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	140-2226	178957	2	Indicator, Air Restriction (Includes Fitting)
2	140-1260		2	Fitting, Male - Hex
3	140-2343	3001892	4	Cap, Air Cleaner
	140-2364	3017003	2	For 6" Tube Inlet
	140-2352	3058481	2	For 8" Tube Inlet
			2	For 10" Tube Inlet
4				Air Cleaner
				KT.KTA38
	140-2264	3028847	2	Indoor
	140-2363	3017002	2	Outdoor (8" Inlet Tube)
	140-2344	3001893	2	Heavy Duty (Dual 6" Inlet Tubes)
	140-2345-01	3010306	2	Extra Heavy Duty (Boxed Screened Inlets)
5				Air Cleaner Element(s)
				KT.KTA38
	140-2402	3010842	2	Indoor & Outdoor
	140-2408	3013212	2	Heavy Duty Primary
	140-2407	3013213	2	Heavy Duty Safety
	140-2403	3013214	2	Extra Heavy Duty Primary
	140-2401	3013215	2	Extra Heavy Duty Safety
6				Air Cleaner
				KTTA38
	140-2413	3050498	2	Indoor (Disposable)
	140-2349	3058474	2	Heavy Duty (10" Inlet Tube)
7				Air Cleaner Element(s)
				KTTA38
	140-2411	3060222	2	Heavy Duty Primary
	140-2412	3060223	2	Heavy Duty Safety
8	122-0757	3310169	4	Filter, Oil
9	149-2232	299272	2	Filter, Fuel
10				Switch & Harness - Low Coolant Level
	309-0579-03	3066031	1	Switch, Low Coolant Level
	338-2356-02	3035125	1	Harness, Wiring - Switch
	338-2393	3050414	1	Harness, Wiring - Extension
11				Switch, Sender & Harness - Engine Coolant Temperature Items
	302-1854	3015238	2	Transducer (Sender) - Temperature (All Specs)
	Note 1			Spec A, B & C OLD STYLE (Nason)
	309-0570	3034666	1	Switch, Temperature - Alarm, Low Temp (2 Wire Harness)
	309-0569-04	3048725	1	Switch, Temperature - Shutdown, Hi Temp (2 Wire Harness)
	309-0572-02	3048727	1	Switch, Temperature - Alarm & Shutdown (4 Wire Harness)
	Note 1			Spec A,B,C & D NEW STYLE (Robert-Shaw); Spec A,B,C Require Adapter Harness for interface with Engine Wiring Harness)
	309-0596-06	3056355	1	Switch, Temperature - Alarm (u/w 338-2471 Forked Harness)
	309-0596-04	3056353	1	Switch, Temperature - Shutdown (u/w 338-2471 in Dual Switch Applications or with 338-2473 Harness in Single Application)
	338-2471	3066834	1	Harness, Wiring (Spec A,B,C Single Switch Application)
	338-2473	3066832	1	Harness, Wiring - Forked (Spec A,B,C Dual Switch Application)
12				Switch, Sender & Harness - Engine Oil Pressure
	302-1853	3015237	1	Transducer (Sender) - Pressure (All Specs)
	Note 1			Spec A, B & C OLD STYLE (Nason)
	309-0565-01	3034864	1	Switch - Shutdown with 3 Wire Harness (12PSI)
	309-0568	3034863	1	Switch - Alarm & shutdown with 4 Wire Harness (12/18PSI)
	Note 1			Spec A,B,C & D NEW STYLE (Robert-Shaw); Spec A,B,C Require Adapter Harness for interface with Engine Wiring Harness)
	309-0595-02	3056344	1	Switch, Pressure - Alarm (u/w 338-2470 Forked Harness)
	309-0595-03	3056345	1	Switch, Pressure - Shutdown (u/w 338-2470 in Dual Switch Application or with 338-2472 in Single Application)
	338-2472	3066830	1	Harness, Wiring (Spec A,B,C Single Switch Application)
	338-2470	3066835	1	Harness, Wiring (Spec A,B,C Dual Switch Application)
13				Harness, Wiring - Engine
	338-2389-01	3053027	1	Spec A, B & C
	338-2502-01	3062871	1	Spec D

NOTE: 1. New Style Switches introduced During Spec B & C Gen Set Assembly and Standard on Spec D Gen Sets during 1988. Replacement of old style (NASON) items with new style (ROBERT-SHAW) items Recommended by Cummins Engine Company Engineering. by any means, is strictly prohibited.



Dual Engine Coolant Heaters Spec. A & B & D (Watlow Type)

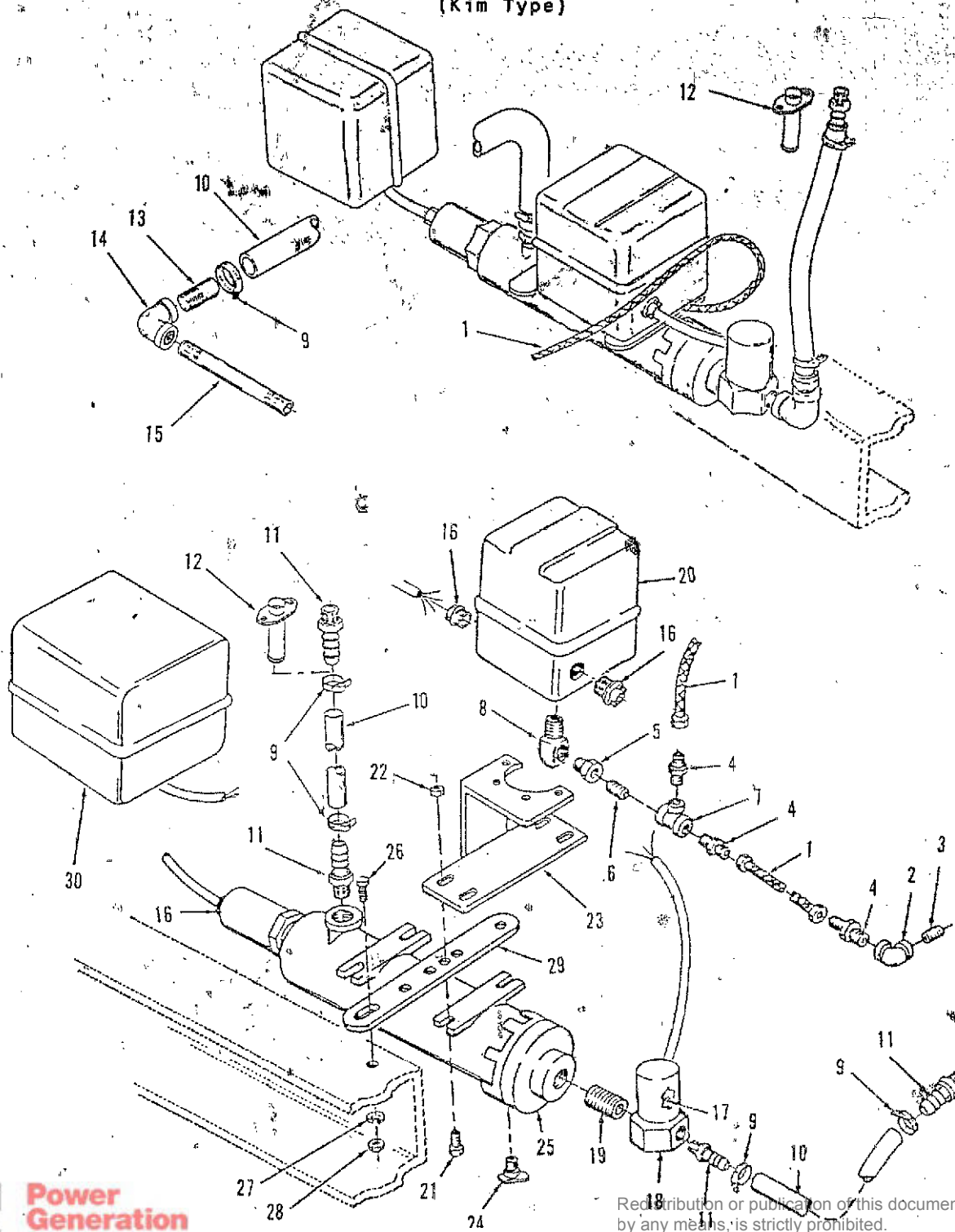


Dual Engine Coolant Heaters Spec A & B & D (Watlow Type)

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	501-0537-03	AS403255	2	Hose Assembly - Oil Pressure (Select as required)
		AS4040SS		32" Lg
	501-0537-07	AS4050SS		40" Lg
	501-0537-26	AS4060SS		50" Lg
				60" Lg
2	502-1043-01	68139	4	Elbow, Pipe - Male, 90 DEG
3	503-1603	43828A	8	Clamp, Hose
4	503-1602	3027706	4	Hose, Rubber
5	130-3339	3060899	1	Tube, Water
6	130-3340	3060900	1	Tube, Water
7	503-1603	43828A	6	Clamp, Hose
8		200517	2	Hose, Rubber
9		3058251	1	Tube, Water
10		3009805	1	Hose, Rubber
11		153409	2	Nipple, Pipe - Half
12		3056256	1	Tee, Pipe
13		5912C	1	Nipple, Pipe
14		5906C	1	Elbow, Pipe - Street - 90°
15		3056257	1	Elbow, Pipe - Street - 90° (Used on some installations)
16	Note 1.		2	Heater, Electrical - Coolant (Includes Thermostat, Drain Cock, Mounting Nuts and may or may not include pressure switch)
	333-0389-06	3053979		With Oil Pressure Switch
	333-0389-04	3056164		120 VAC, 4000 Watt
				480 VAC, 4000 Watt
				Without Oil Pressure Switch
	333-0413-09	3063630		120 VAC, 4000 Watt
	333-0413-08	3063473		208 VAC, 4000 Watt
	333-0413-10	3063631		480 VAC, 4000 Watt
				Attaching Parts for Heater
	800-0222	S114	4	Screw, Cap - Hex Head (1/4-20 x 3/4")
	850-0101	S600	4	Washer, Lock - Spring (1/4")
	402-0608	3035093	4	Isolator, Vibration
	402-0609	3035084	4	Isolator, Vibration
17	504-0003	S923E	2	Cock, Drain (1/4 NPT)
18	130-3189	3056255	2	Bracket, Mounting - Heater
				Attaching Parts for Bracket
	800-0210	S1030	8	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
	850-0103	S604	8	Washer, Lock - Spring (3/8")
	871-0028	S254	8	Nut, Hex - Brass (3/8-16)
19		3063475	2	Switch, Control - Heater (Includes Contactor, Ground Lug and Box)
20		3063477	1	Contactor (50 AMP, 3 Pole, SPST, 120 VAC Coil)
21	Note 2.		1	Lug, Ground
22	Note 3.		1	Box, Electrical
23		3063476	2	Bracket, Mounting - Box
				Attaching Parts for Brackets
	800-0222	S114	8	Screw, Cap - Hex Head (1/4-20 x 3/4")
	850-0101	S600	8	Washer, Lock - Spring (1/4")
	862-0031	S224	8	Nut, Hex (1/4-20)

NOTE: 1. Heaters and Controls Manufactured by Watlow Industries Inc.
Div. of Watlow Electric Co Hannibal, Mo.
2. Watlow No. 191-16-6-1
3. Watlow No. 303-62-29-29

Dual Engine Coolant Heaters
Spec C
(Kim Type)



Dual Engine Coolant Heaters Spec C (Kim Type)

REF. NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	501-0199		2	Line, Fuel - Flexible
2	505-0037		1	Elbow - 90 Degree (1/8 NPT)
3	505-0104		1	Nipple, Pipe - Close (1/8 NPT x 1-1/2")
4	502-0193		4	Adapter, Hex - Pipe to Line
5	505-0007		2	Bushing, Reducer - Hex (1/4 NPT x 1/8 NPT)
6	505-0098		1	Nipple, Pipe - Close (1/8 NPT x 3/4")
7	505-0059		1	Teel, Pipe (1/8 NPT)
8	502-0054		2	Elbow, Pipe - Street, 90 Degree (1/8 NPT)
9	503-0398		8	Clamp, Hose
10	503-0249		AR	Hose, Rubber - Bulk (1" ID, x 1-3/8" OD) [Sold in Multi Foot lengths, order length as required]
11	505-0759		7	Adapter, Hose to Pipe
12	130-3200	3178301	2	Adapter, Hose with Flange (Used on some applications)
12A		3177556	2	Seal - Rectangular Ring
13	505-0324		1	Nipple, Pipe - Half (3/4 NPT x 2")
14	505-0132		1	Elbow, Pipe - Street, 90 Degree (3/4 NPT)
15	505-0438		1	Nipple, Pipe (3/4 NPT x 8")
16	331-0027		12	Clamp, Cable
17				Terminals
	323-0857		4	Nut, Wire
	332-0014		8	Lug, Terminal - Ring (#10)
	332-0149		8	Lug, Terminal - Ring (#8)
18				Switch, Thermostatic
	309-0490		2	100° - 120° Fahrenheit
	309-0253		2	120° - 140° Fahrenheit
19	505-0004		2	Nipple, Pipe - Close (3/4 NPT x 1-1/2")
20	309-0278		2	Switch, Pressure - Oil
				Attaching Parts for Switch
	842-0079		8	Screw, Machine - Round Head (#8-32 x 1/2")
	854-0097		8	Washer, Lock - ET (#8)
21	800-0008		4	Screw, Cap - Hex Head (1/4-20 x 1-1/4")
22	870-0212		4	Nut, Self-locking - Hex (1/4-20)
23	333-0224		2	Bracket, Support - Pressure Switch
24	504-0003		2	Cock, Drain
25				Heater, Electrical
	333-0143		2	4000 Watt, 208 VAC - 1 Phase
	333-0164		2	4000 Watt, 208 VAC - 3 Phase
	333-0138		2	4000 Watt, 240 VAC - 1 Phase
	333-0190		2	4000 Watt, 240 VAC - 3 Phase
	333-0150		2	4000 Watt, 277 VAC - 1 Phase
	333-0183		2	4000 Watt, 380 VAC - 1 Phase
	333-0174		2	4000 Watt, 380 VAC - 3 Phase
	333-0161		2	4000 Watt, 480 VAC - 1 Phase
	333-0144		2	4000 Watt, 480 VAC - 3 Phase
26	821-0030		8	Screw, Self-locking - Hex Head (5/16-18 x 1-1/4")
27	850-0045		8	Washer, Lock - Spring (5/16")
28	862-0015		8	Nut, Hex (5/16-18)
29	130-1191		4	Bracket, Mounting
30				Contactor
	307-1460		2	230 VAC, 3 Pole
	307-1164		2	460 VAC, 3 Pole

GENERATOR SECTION

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GENERATOR TABLE SPEC A & B & D

Low Range Generators

OPTION CODE	FRAME SIZE	ADPTR SAE	DISK SAE	LEAD	KW RATING	VOLTAGE AT 60 HERTZ					AT 50 HERTZ		
						380 190	416 208	440 220	460 230	480 240	380 190	400 200	416 208
MG8320	6 AS	0	18	6	Standby Prime Pwr	610 575	640 600	660 625	680 640	700 650	540 500	550 515	570 525
MG8321	6 A	0	18	6	Standby Prime	670 625	700 650	740 675	770 710	800 730	610 555	630 580	650 600
MG8322	6 B	0	18	6	Standby Prime Pwr	750 680	800 730	830 770	860 800	900 820	680 620	700 640	720 660
MG8323	6 C	0	18	6	Standby Prime Pwr	880 820	920 850	960 880	1000 920	1050 950	800 730	825 750	840 765
MG8324	6 D	0	18	6	Standby Prime Pwr	950 880	1000 950	1050 990	1100 1020	1150 1050	875 800	900 825	920 850
MG8326	6 A	0	18	12	Standby Prime Pwr	670 625	700 650	740 675	770 710	800 730	610 555	630 580	650 600
MG8327	6 B	0	18	12	Standby Prime Pwr	750 680	800 730	830 770	860 800	900 820	680 620	700 640	720 650
MG8328	6 C	0	18	12	Standby Prime Pwr	880 820	920 850	960 880	1000 920	1050 950	800 730	825 750	840 765
MG8329	6 D	0	18	12	Standby Prime	950 880	1000 950	1050 990	1100 1020	1150 1050	875 800	900 825	920 850
MG8330	7 A	0	18	6	Standby Prime Pwr	1120 1030	1175 1075	1200 1110	1225 1125	1250 1150	1000 920	1050 950	1075 975
MG8331	7 B	0	18	6	Standby Prime	1300 1200	1350 1250	1420 1300	1475 1350	1500 1375	1130 1030	1160 1050	1180 1075
MG8332	7 C	0	18	6	Standby Prime Pwr	1660 1525	1700 1600	1775 1650	1850 1725	1875 1800	1450 1350	1525 1400	1600 1450

Medium Range Generators

OPTION CODE	FRAME SIZE	ADPTR SAE	DISK SAE	LEAD	KW RATING	VOLTAGE AT 60 HERTZ	AT 50 HERTZ
						4160/2400	3300/1905
MG8333	7 A	0	18	6	Standby Prime Pwr	540 500	430 400
MG8334	7 B	0	18	6	Standby Prime Pwr	810 750	650 600
MG8335	7 C	0	18	6	Standby Prime	1080 1000	860 800
MG8336	7 D	0	18	12	Standby Prime Pwr	1620 1500	1300 1200



**Power
Generation**

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GENERATOR TABLE **SPEC C**

Low Range Generators

OPTION CODE	FRAME SIZE	ADPTR SAE	DISK SAE	LEAD	KW RATING	VOLTAGE AT 60 HERTZ					AT 50 HERTZ		
						380 190	416 208	440 220	460 230	480 240	380 190	400 200	416 208
9MG0020	6 AS	0	18	6	Standby	610	640	660	680	700	540	550	570
					Prime Pwr	575	600	625	640	690	500	515	525
9MG0021	6 A	0	18	6	Standby	670	700	740	770	800	610	630	650
					Prime	625	650	675	710	730	555	580	600
9MG0022	6 B	0	18	6	Standby	750	800	830	860	900	680	700	720
					Prime Pwr	680	730	770	800	820	620	640	660
9MG0023	6 C	0	18	6	Standby	880	920	960	1000	1050	800	825	840
					Prime Pwr	820	850	880	920	950	730	750	765
9MG0024	6 D	0	18	6	Standby	950	1000	1050	1100	1150	875	900	920
					Prime Pwr	880	950	990	1020	1050	800	825	850
9MG0026	6 A	0	18	12	Standby	670	700	740	770	800	610	630	650
					Prime Pwr	625	650	675	710	730	555	580	600
9MG0027	6 B	0	18	12	Standby	750	800	830	860	900	680	700	720
					Prime Pwr	680	730	770	800	820	620	640	660
9MG0028	6 C	0	18	12	Standby	880	920	960	1000	1050	800	825	840
					Prime Pwr	820	850	880	920	950	730	750	765
9MG0029	6 D	0	18	12	Standby	950	1000	1050	1100	1150	875	900	920
					Prime	880	950	990	1020	1050	800	825	850
9MG0030	7 A	0	18	6	Standby	1120	1175	1200	1225	1250	1000	1050	1075
					Prime Pwr	1030	1075	1110	1125	1150	920	950	975
9MG0031	7 B	0	18	6	Standby	1300	1350	1420	1475	1500	1130	1160	1180
					Prime	1200	1250	1300	1350	1375	1030	1050	1075
9MG0032	7 C	0	18	6	Standby	1660	1700	1775	1850	1875	1450	1525	1600
					Prime Pwr	1525	1600	1650	1725	1800	1350	1400	1450

Medium Range Generators

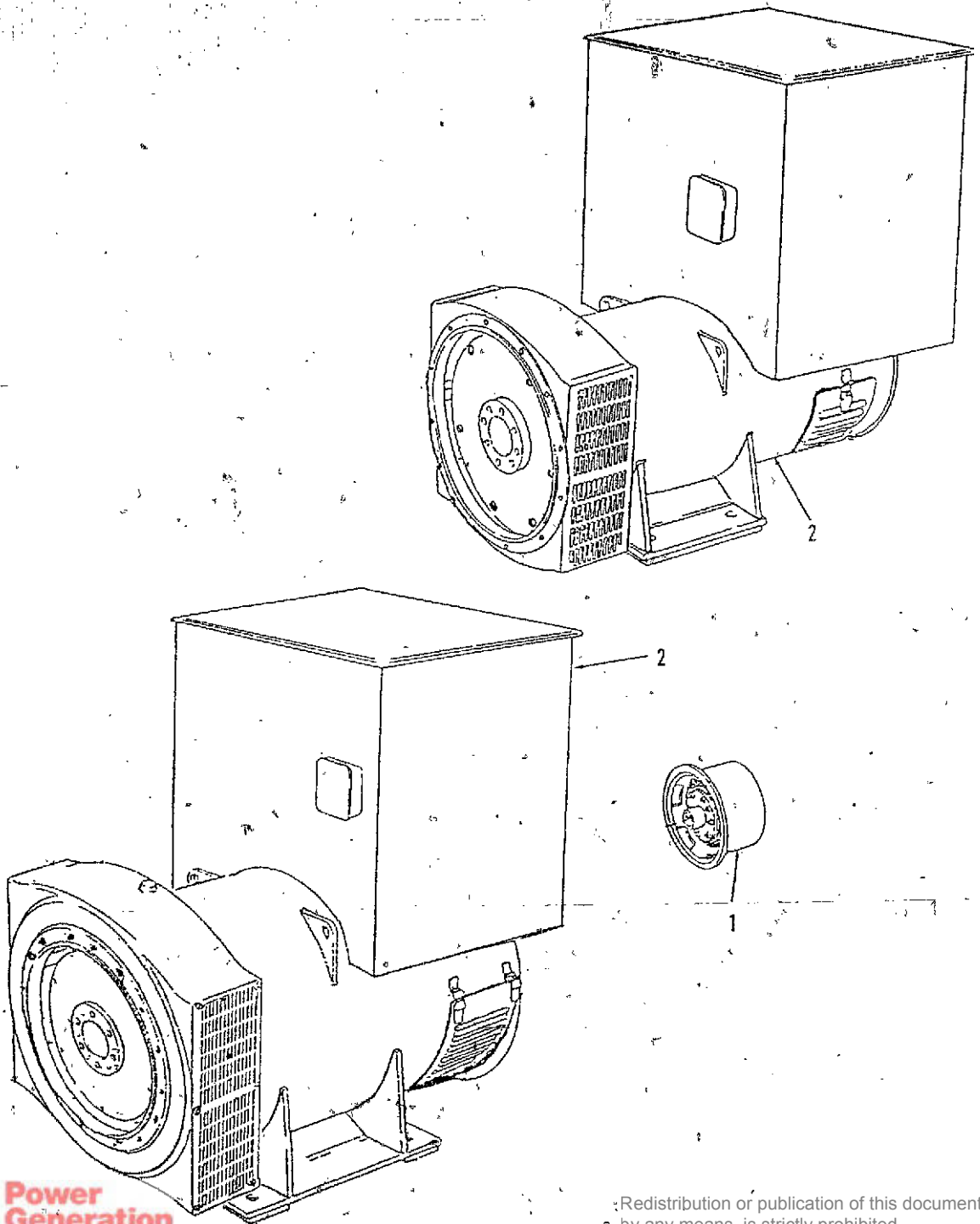
OPTION CODE	FRAME SIZE	ADPTR SAE	DISK SAE	LEAD	KW RATING	VOLTAGE AT 60 HERTZ	AT 50 HERTZ
						4160/2400	3300/1905
MG8333	7 A	0	18	6	Standby Prime Pwr	540 500	430 400
MG8334	7 B	0	18	6	Standby Prime Pwr	810 750	650 600
MG8335	7 C	0	18	6	Standby Prime	1080 1000	860 800
MG8336	7 D	0	18	12	Standby Prime Pwr	1620 1500	1300 1200



**Power
Generation**

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Generators
Frames 6 & 7
SAE 0 / SAE 18



**Power
Generation**

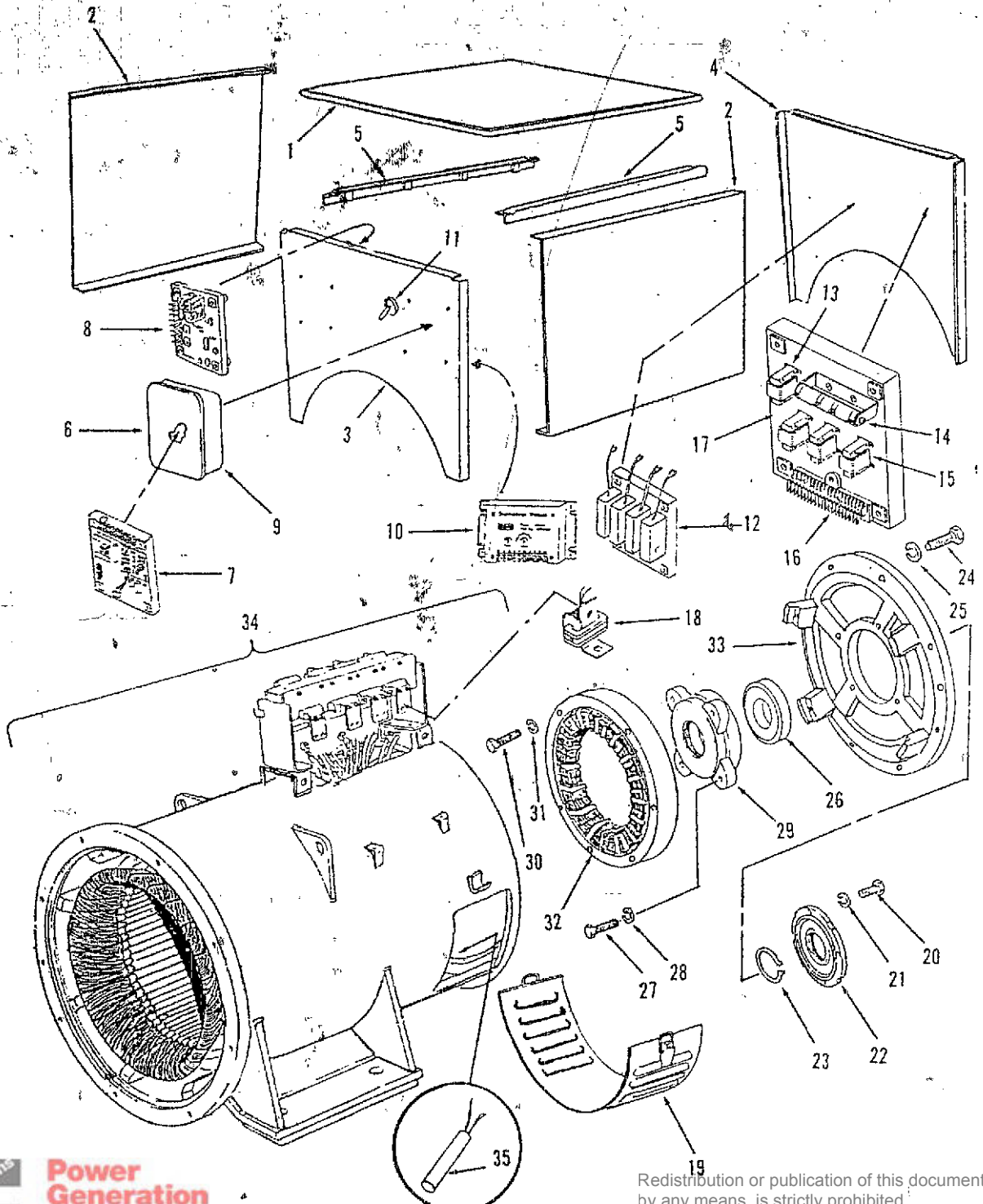
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Generators
Frames 6 & 7
SAE 0 / SAE 18

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1			1	Module, Permanent Magnet Exciter (See Separate Page for Components)
	249-0298		4	Attaching Parts For Module
	249-0218		4	Screw, Cap - Hex Head (M8 x 16mm)
	249-0315		4	Washer, Lock (M8)
2	Note 1			Clamp, Retaining
				Generator [Includes PMG Exciter] (See Separate Pages for Stator and Rotor Components)
				Attaching Parts Generator To Skid
				Frame 6 and 7 Spec A & B
	800-0242	S161	4	Screw, Cap - Hex Head (1-8 x 3-1/2")
	850-0109	S613	4	Washer, Lock - Spring (1")
	526-0360	146180	8	Washer, Flat (1")
	370-4045	3025064	4	Spacer (frame 6 only)
	370-4046-01	125356	4	Shim
	370-4046-02	125357	4	Shim
	370-4046-03	125358	4	Shim
	862-0037	S222	4	Nut, Hex (1-8)
				Frame 6 and 7 Spec C
	800-0273		4	Screw, Cap - Hex Head (1 1/4-7 x 1-1/4")
	850-0092		4	Washer, Lock - Spring (1 1/4")
	526-0093		4	Washer, Flat (1 1/4")
	862-0017		4	Nut, Hex (1 1/4-7)
				Attaching Parts Adapter to Flywheel Housing
				Frame 6 and 7 Spec A & B
	800-0238	S145	2	Screw, Cap - Hex Head (1/2-13 x 1-1/4")
	800-0236	S106	14	Screw, Cap - Hex Head (1/2-13 x 1-3/4")
	850-0105	S608	16	Washer, Lock - Spring (1/2")
				Frame 6 and 7 Spec C
	800-0576		16	Screw, Cap - Hex Head (1/2-13 x 1-3/4", Grade 8)
	850-0060		16	Washer, Lock - Spring (1/2")
				Attaching Parts Drive Disc to Flywheel
				Frame 6 Spec A & B
	815-0719	206332	6	Screw, Cap - 12 Point Drive (5/8-11 x 1-1/4")
	526-0362	200861	6	Washer, Flat (5/8")
				Frame 7 Spec A & B
	815-0725	206391	6	Screw, Cap - 12 Point Drive (5/8-11 x 1-1/2")
	526-0362	200861	6	Washer, Flat (5/8")
				Frame 6 and 7 Spec C
	800-0530		6	Screw, Cap - Hex Head (5/8-11 x 1-1/4", Grade 8)

Note 1: For replacement Generator please supply the complete Gen Set nameplate and Generator nameplate data

Generator Stator Section Frame 16

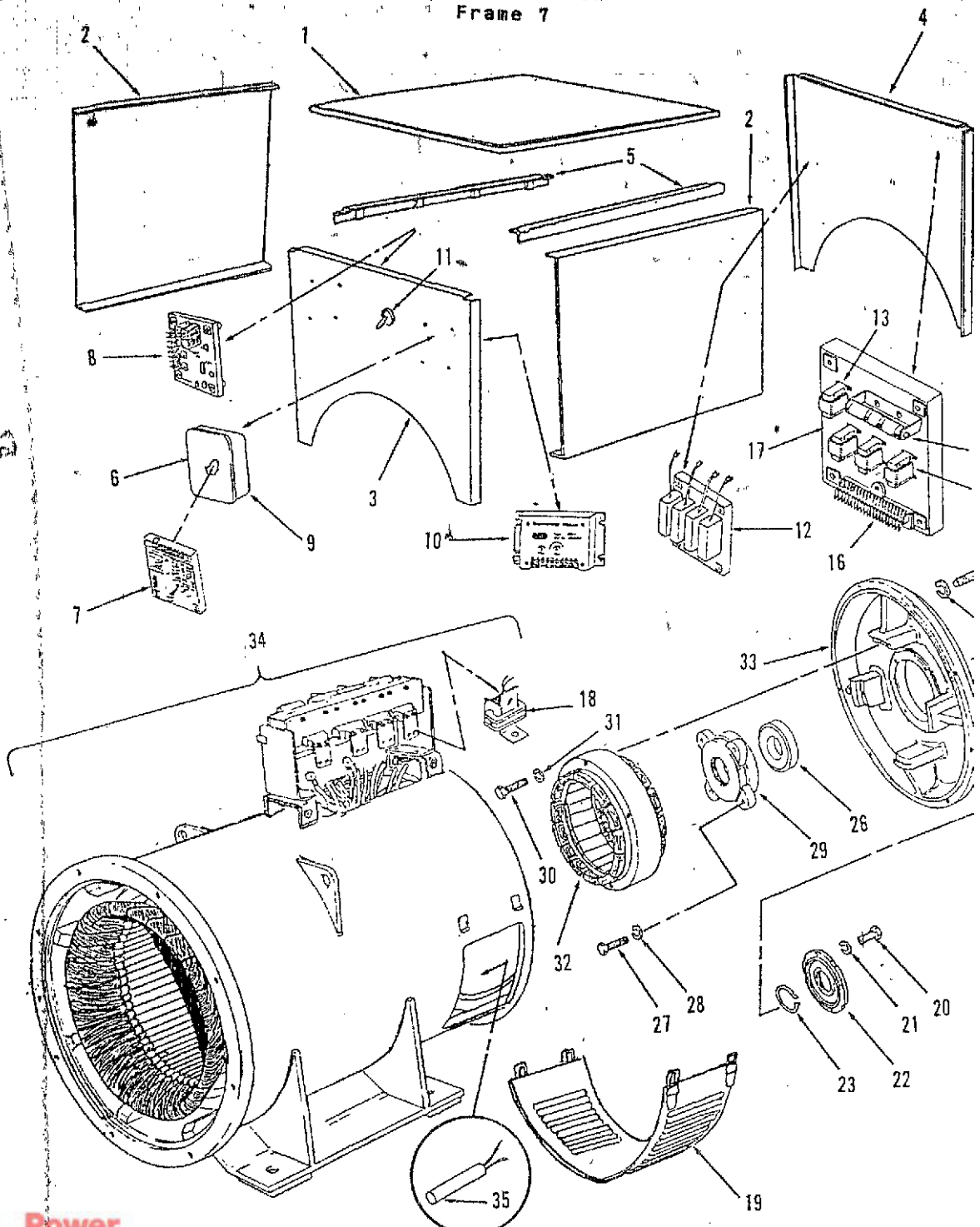


Generator Stator Section Frame 6

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	Note 1		1	Lid
2	Note 1		2	Panel, Side
3	Note 1		1	Panel, Front
4	Note 1		1	Panel, Rear
5	Note 1		2	Bracket, Angle
6	249-0425		2	Lid
				Attaching Parts
	249-0304		8	Screw, Captive
7				Regulator, Voltage
	305-0770		1	Standard
	305-0778		1	3 Phase (Used with 3 Phase Sensing Module)
	305-0803		1	Manual
				Attaching Parts
	249-0398		4	Pillar, Threaded
8	302-3278		1	Module, 3 Phase Sensing
				Attaching Parts
	249-0398		4	Pillar, Threaded
9	249-0395		2	Box
10	305-0822		1	Module, Overvoltage
				Attaching Parts
	249-0295		4	Screw, Cap - Hex Head (M5 x 35mm)
	249-0288		4	Washer, Plastic (M5)
	249-0287		4	Nut, Hex - Nylon (M5)
11	249-0449		1	Switch
12	249-0569		1	RFI Suppressor Assy
13	302-1851		1	Choke
14	354-0031		1	Resistor, Adjustable
15	249-0504		3	Transformer, Voltage Sensing
16	249-0289		3	Block, Terminal
17	249-0424		1	Panel, Terminal Block Mounting
18	302-1852-02		3	Transformer, Current
19	249-0513		1	Grille, Inlet - Air
20	249-0243		4	Screw, Cap - Hex Head (M10 x 30mm)
21	249-0202		4	Washer, Lock - Spring (M10)
22	249-0510		1	Cap, Bearing - Outer
23	249-0447		1	Circlip
24	249-0204		8	Screw, Cap - Hex Head (M12 x 40mm)
25	249-0205		8	Washer, Lock - Spring (M12)
26	249-0448		1	Bearing, Ball
27	249-0245		4	Screw, Cap - Hex Head (M10 x 50mm)
28	249-0202		4	Washer, Lock - Spring (M10)
29	249-0509		1	Cap, Bearing - Inner
30	249-0445		6	Screw, Cap - Hex Head (M6 x 85mm)
31	249-0212		6	Washer, Lock - Spring (M6)
32	249-0470		1	Stator, Exciter
33	249-0527		1	Bracket, End
34	Note 1		1	Stator, Generator (Includes Terminal Studs and Links)
				Attaching Parts Stator to Adapter
	249-0204		8	Screw, Cap - Hex Head (M12 x 40mm)
	249-0205		8	Washer, Lock - Spring (M12)
35				Heater, Electrical - Replacement
	249-0621		1	70 Watt, 120 VAC
	249-0622		1	70 Watt, 240 VAC

Notes. 1. Items not stocked, replacement available only on special order with long lead time likely

Generator Stator Section Frame 7



**Power
Generation**

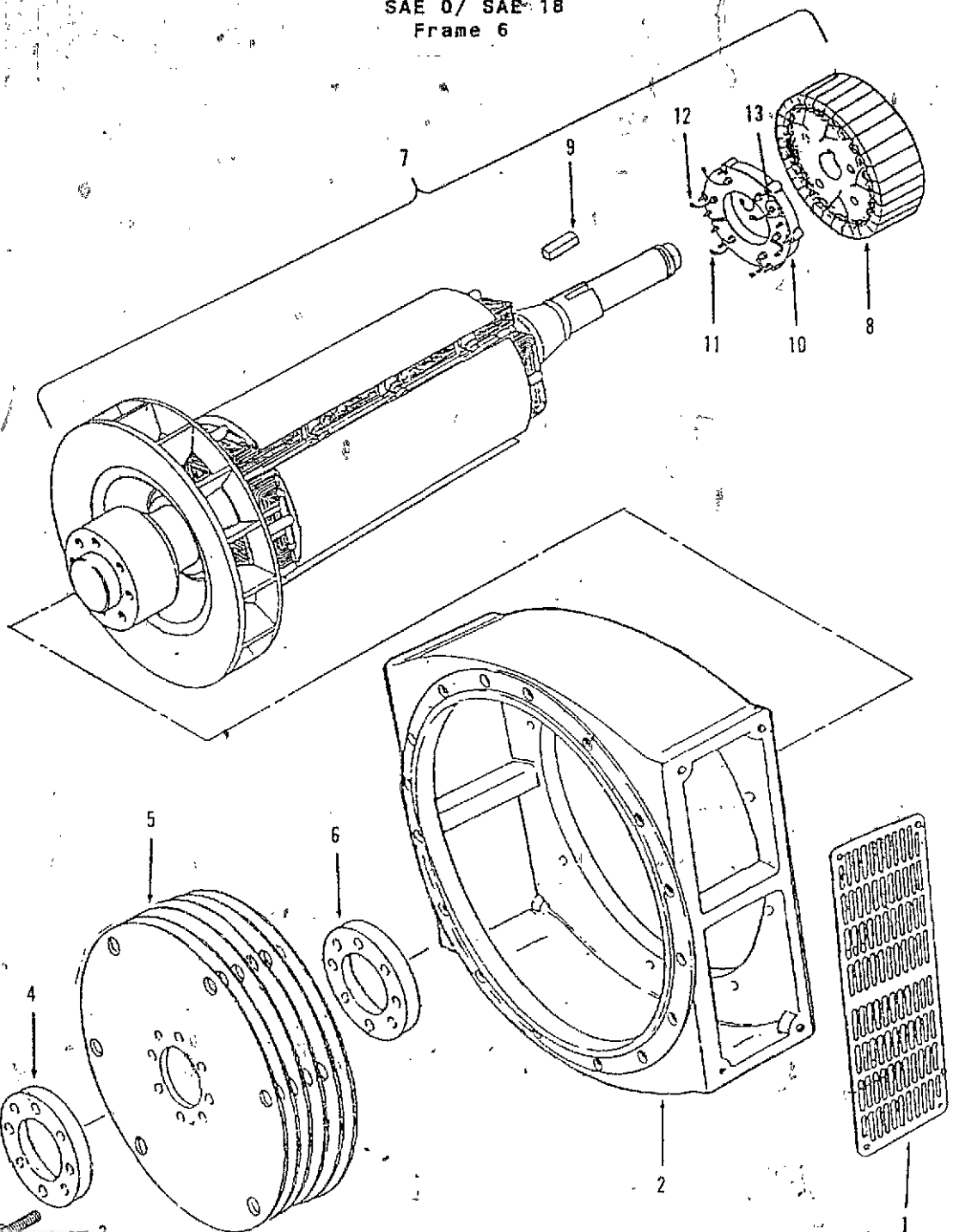
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Generator Stator Section Frame 7

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	Note 1		1	Lid
2	Note 1		2	Panel, Side
3	Note 1		1	Panel, Front
4	Note 1		1	Panel, Rear
5	Note 1		2	Bracket, Angle
6	249-0425		2	Lid
	249-0304		8	Attaching Parts Screw, Captive Regulator, Voltage
7	305-0770		1	Standard
	305-0778		1	3 Phase (Used with 3 Phase Sensing Module)
	305-0803		1	Manual
	249-0398		4	Attaching Parts Pillar, Threaded
8	302-3278		1	Module, 3 Phase Sensing
	249-0398		4	Attaching Parts Pillar, Threaded
9	249-0395		2	Box
10	305-0822		1	Module, Overvoltage
	249-0295		4	Attaching Parts Screw, Cap - Hex Head (M5 x 35mm)
	249-0288		4	Washer, Plastic (M5)
	249-0287		4	Nut, Hex - Nylon (M5)
11	249-0449		1	Switch
12	249-0569		1	RFI Suppressor Assy
13	302-1851		1	Choke
14	354-0031		1	Resistor, Adjustable
15				Transformer
	302-1884		3	Voltage Sensing (Used on Standard Voltage Generators)
	302-1876		3	Isolation (Used on Medium Voltage Generators)
16	249-0289		3	Block, Terminal
17	249-0424		1	Panel, Terminal Block Mounting
18				Transformer, Current
	302-1852-01		3	Used on Standard Voltage Generators
	302-1852-03		3	Used on Medium Voltage Generators
19	249-0583		1	Grille, Inlet - Air
20	249-0243		4	Screw, Cap - Hex Head (M10 x 30mm)
21	249-0202		4	Washer, Lock - Spring (M10)
22	249-0510		1	Cap, Bearing - Outer
23	249-0447		1	Circlip
24	249-0204		8	Screw, Cap - Hex Head (M12 x 40mm)
25	249-0205		8	Washer, Lock - Spring (M12)
26	249-0448		1	Bearing, Ball
27	249-0245		4	Screw, Cap - Hex Head (M10 x 50mm)
28	249-0202		4	Washer, Lock - Spring (M10)
29	249-0509		1	Cap, Bearing - Inner
30	249-0438		6	Screw, Cap - Hex Head (M6 x 85mm)
31	249-0218		6	Washer, Lock - Spring (M6)
32	249-0470		1	Stator, Exciter
33	249-0471		1	Bracket, End
34	Note 1		1	Stator, Generator (Includes Terminal Studs and Links)
	249-0204		8	Attaching Parts Stator to Adapter Screw, Cap - Hex Head (M12 x 40mm)
	249-0205		8	Washer, Lock - Spring (M12)
35	249-0621		1	Heater, Electrical - Replacement 70 Watt, 120 VAC
	249-0622		1	70 Watt, 240 VAC

Notes: 1. Item not stocked, replacement may be available only by special order with a long lead time likely.

Generator
Rotor Section
SAE 0/ SAE 18
Frame 6

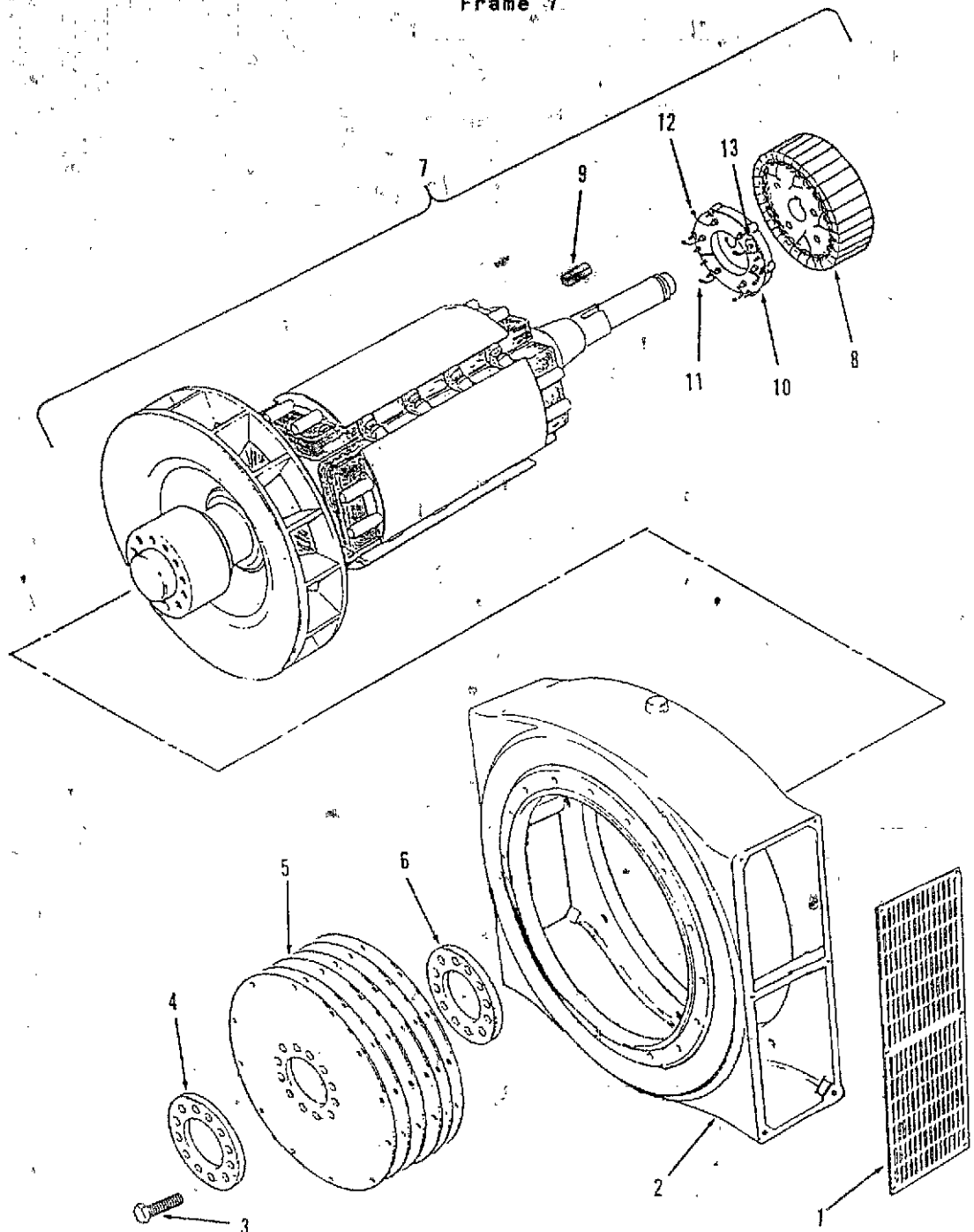


**Generator
Rotor Section
SAE 0/ SAE 18
Frame 6**

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	249-0534		2	Screen, Air - Adapter
	249-0294		12	Attaching Parts
	249-0307		12	Screw, Cap - Hex Head (M5 x 12mm)
	249-0365		12	Washer, Lock - Spring (M5)
			12	Washer, Flat (M5)
2	249-0533		1	Adapter, Generator SAE 0
3	249-0437		8	Screw, Cap - Hex Head (M20 x 75mm)
4	249-0230		1	Plate, Pressure
5	249-0276		6	Disc, Drive SAE 18
6	249-0277		1	Spacer
7	Note 1.		1	Rotor, Generator (Includes Exciter, Key, and Rectifier Assy)
8	249-0512		1	Rotor, Exciter (Does Not Include Rectifier Assy)
9	249-0620		1	Key
10	249-0237		1	Rectifier Assy (Includes Diodes)
11	249-0239		3	Diode, Forward Polarity
12	249-0238		3	Diode, Reverse Polarity
13	249-0240		1	Varistor

Notes: 1. Item not stocked, replacement available only on special order with long lead time likely.

Generator
Rotor Section
SAE 0/ SAE 18
Frame 7

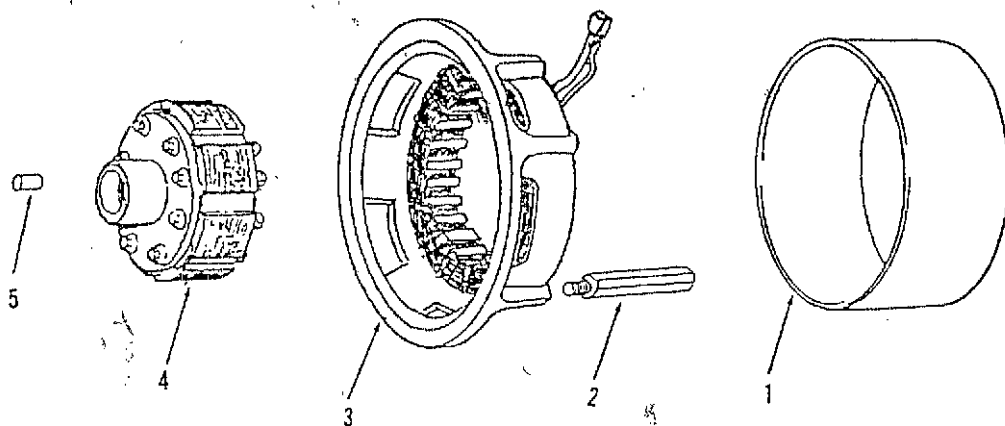


**Generator
Rotor Section
SAE 0/ SAE 18
Frame 7**

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	249-0482		2	Screen, Air - Adapter
	249-0294		12	Attaching Parts
	249-0307		12	Screw, Cap - Hex Head (M5 x 12mm)
	249-0365		12	Washer, Lock - Spring (M5)
2	249-0481		1	Washer, Flat (M5)
3	249-0444		8	Adapter, Generator SAE 0
4	249-0467		1	Screw, Cap - Hex Head (M24 x 75mm)
5	249-0469		6	Plate, Pressure
6	249-0468		1	Disc, Drive SAE 18
7	Note 1.		1	Spacer
8	249-0503		1	Rotor, Generator (Includes Exciter, Key, and Rectifier Assy)
9	249-0620		1	Rotor, Exciter (Does Not Include Rectifier Assy)
10	249-0237		1	Key
11	249-0239		3	Rectifier Assy (Includes Diodes)
12	249-0238		3	Diode, Forward Polarity
13	249-0566		1	Diode, Reverse Polarity
				Varistor

Notes: 1. Item not stocked, replacement available only on special order with long lead time likely.

Generator Permanent Magnet Exciter



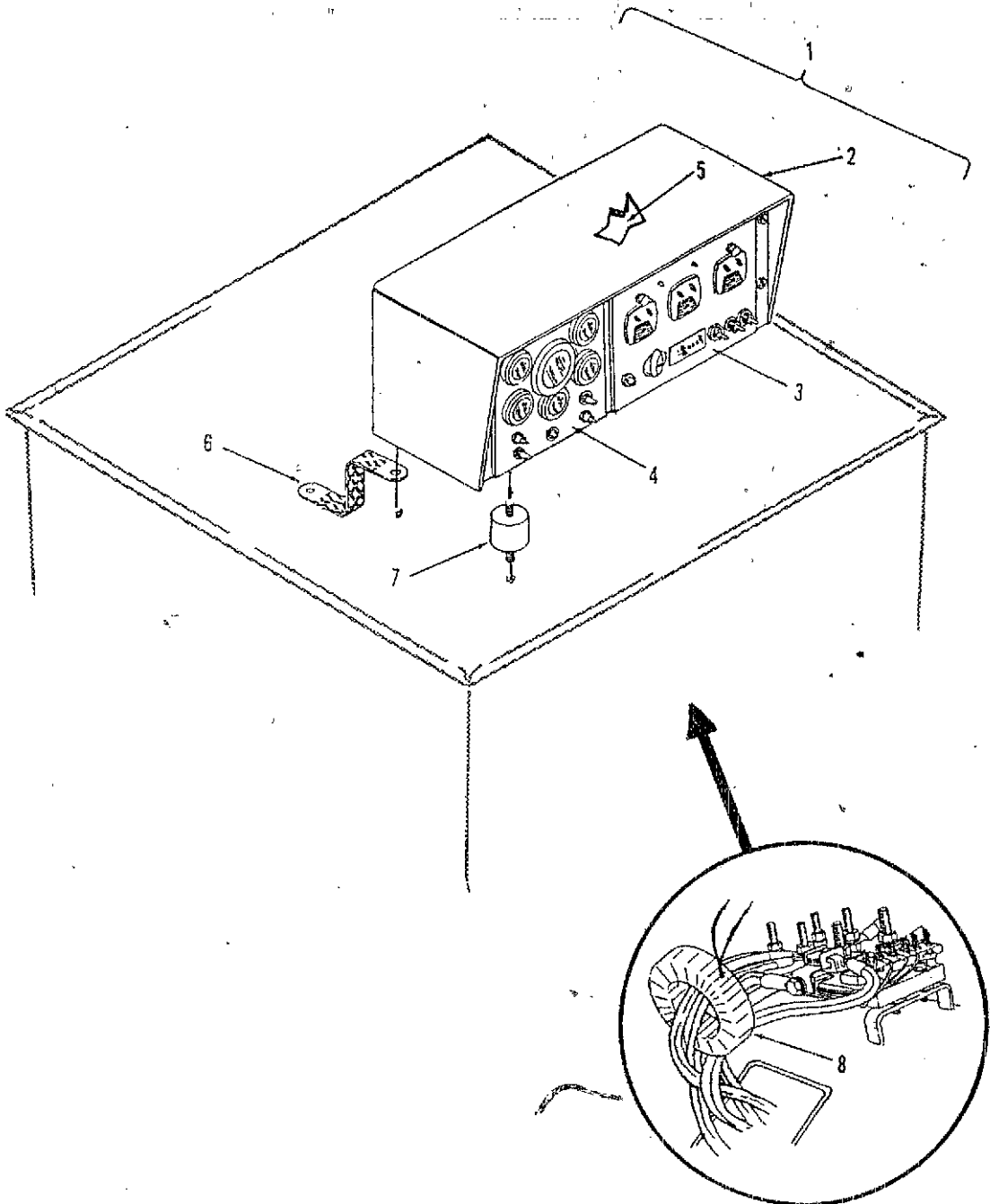
REF NO.	CPP PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	249-0497		1	Cover
	249-0294		3	Attaching Parts For Cover
	249-0307		3	Screw, Cap - Hex Head (M5 x 12mm)
2	249-0423		3	Washer, Lock (M5)
3	249-0426		3	Pillar, Threaded
4			1	Stator, Exciter with Frame
	249-0427		1	Rotor, Exciter (Select Rotor as Required)
	249-0644		1	Frame 2, 3, 4 Generators
			1	Frame 5, 6, 7 Generators
				Attaching Parts For Rotor (Select Bolt as Required)
	249-0399		1	Bolt - Frame 2, 3, 4 Generators
	249-0495		1	Bolt - Frame 5, 6, 7 Generators
	249-0202		1	Washer, Lock (M10)
5	249-0313		1	Pin, Dowel

CONTROL SECTION

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Generator Set Control

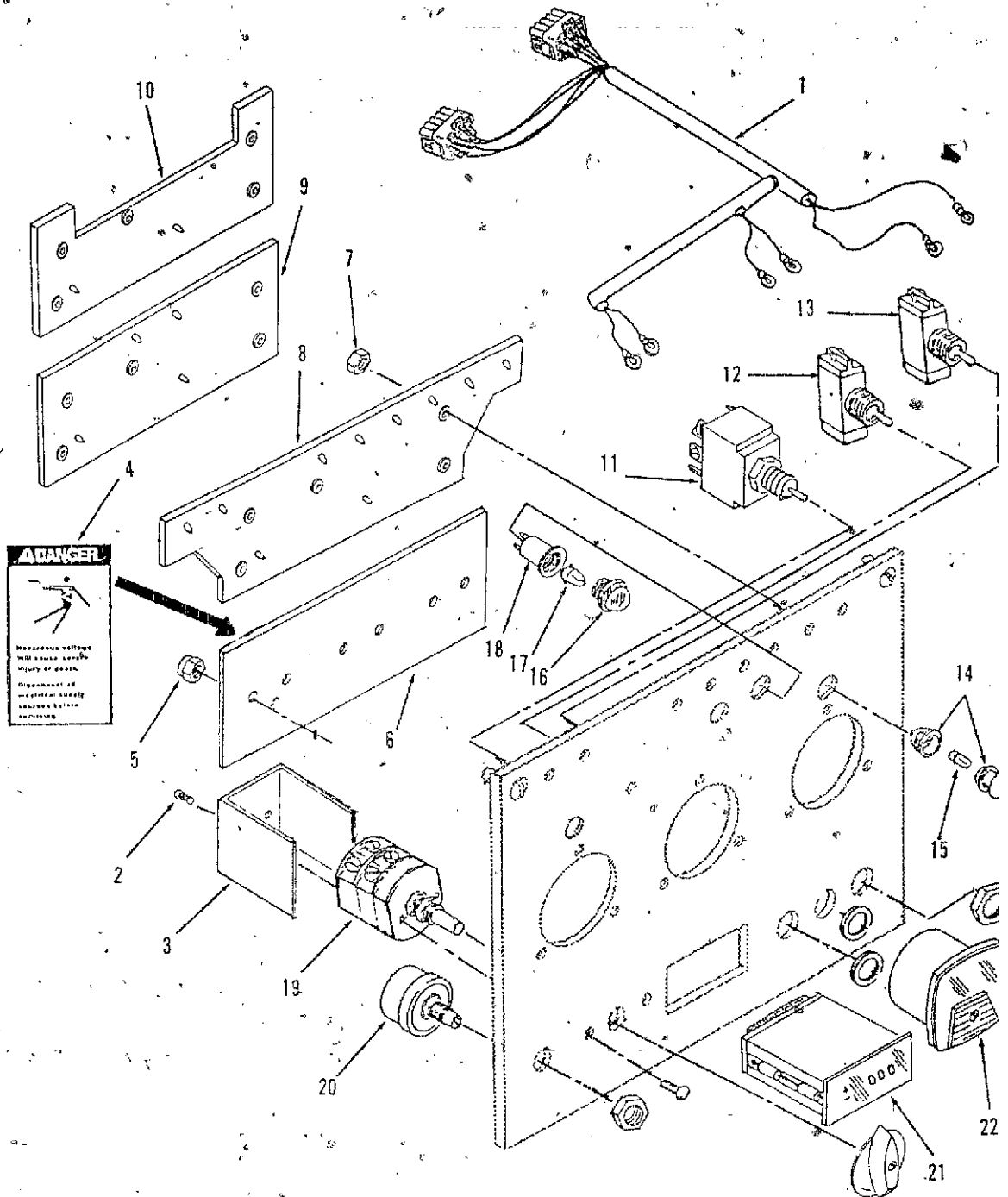


Generator Set Control

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1			REF	Control, Generator Set (See Items 3 Thru 5 for Components)
	862-1001	70299	8	Attaching Parts for Control
	850-1040	70189	8	Nut, Hex (1/4-20)
2	Note 1		1	Washer, Lock - Spring (1/4")
	815-0701	3016086	6	Cover, Control
3			REF	Attaching Part for Cover
4			REF	Screw, Machine - Round Head (1/4-20 x 1/2")
5			REF	Control Panel, Generator (See Separate Pages for Components)
			REF	Control Panel, Engine (See Separate Pages for Components)
			REF	Internal Components and Wiring Harnesses (See Separate Pages Selection)
6	337-2402	3016849	1	Lead, Electrical - Ground
7	402-0610	204493	4	Mount, Vibration
8				Transformer, Current (Select as Required)
	302-1866-05	3011674	3	400:5 Ratio (Used with 200/400 AMP Ammeter)
	302-1866-09	3011678	3	600:5 Ratio (Used with 300/600 AMP Ammeter)
	302-1866-13	3011682	3	800:5 Ratio (Used with 400/800 AMP Ammeter)
	302-1866-15	3011684	3	1000:5 Ratio (Used with 500/1000 AMP Ammeter)
	302-1866-17	3011686	3	1200:5 Ratio (Used with 600/1200 AMP Ammeter and 1200 AMP Single Scale Ammeter)
	302-1866-21	3011690	3	1600:5 Ratio (Used with 800/1600 AMP Ammeter)
	302-1866-24	3014135	3	2000:5 Ratio (Used with 1000/2000 AMP Ammeter)
	302-1866-27	3051479	3	2500:5 Ratio (Used with 2500 AMP Single Scale Ammeter)
	302-1866-28	3051480	3	3000:5 Ratio (Used with 1500/3000 AMP & 3000 AMP Single Scale Ammeters)

Notes: 1. Item not stocked, replacement available only on special order with long lead time likely

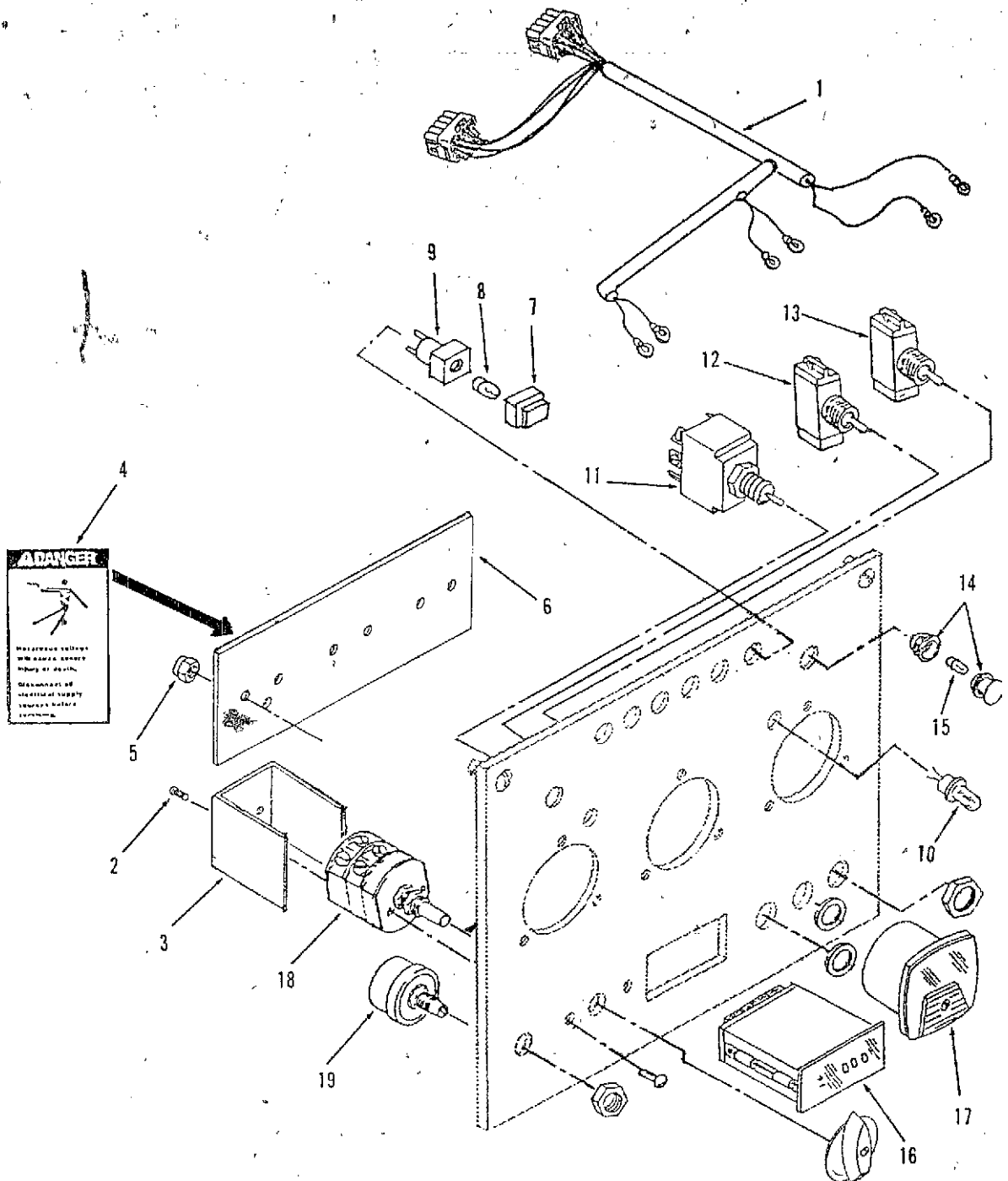
Generator Control Panel With L E D Indicator Lights



Generator Control Panel With L E D Indicator Lights

REF. NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1			REF	Harness, Wiring (See Separate Pages for Selection and Applications)
2	812-0075		2	Screw, Machine - Round Head (#8-32 x 1/4")
3	306-3523		1	Shield, Switch
4	98-5387		1	Decal (Warning)
5	870-0437		7	Nut, Acorn - Plastic
6	306-3522		1	Shield, Meters
7	870-0451	70646	4	Nut, Self-locking - Hex (#8-32)
8	300-3283	3053064	1	Printed Circuit Board - 10 LED Lights
9	300-3282	3053063	1	Printed Circuit Board - 4 LED Lights
10	300-3281	3053062	1	Printed Circuit Board - 2 LED Lights
11				Switch, Toggle
	308-0885-05	3015057	1	(AUTOSTART ON/OFF/STANDBY)
	308-0885-06	3015058	1	(SYNCHRONIZING)
12	308-0885-11	3055738	1	Switch, Toggle (ALARM SILENCE)
13	308-0885-08	3035149	1	Switch, Toggle (PANEL LIGHTS)
14	322-0398	3035016	2	Light, Panel (Less Bulb)
15	322-0397-01	3035018	2	Bulb, Incandescent
16	322-0406	3056064	2	Lens, Clear (SYNCHRONIZING)
17	322-0404-01	3056065	2	Bulb, Incandescent
19	322-0405	3056063	2	Socket, Light
19	308-0884	3015860	1	Switch, Selector (Includes Knob)
20	303-0288	3058451	1	Rheostat
21	302-1860	3056071	1	Wattmeter
22				Meter (TYPICAL)
	302-1856	3015043	1	Voltmeter
	302-1858	3015044	1	Frequency/RPM
				Ammeter (Select as Required)
				DUAL SCALE
	302-1871-05	3039530	1	200/400 AMP
	302-1862	3015035	1	300/600 AMP
	302-1863	3015036	1	400/800 AMP
	302-1871-06	3051478	1	500/1000 AMP
	302-1864	3015037	1	600/1200 AMP
	302-1865	3015038	1	800/1600 AMP
	302-1871-01	3015039	1	1000/2000 AMP
	302-1871-09	3059965	1	1500/3000 AMP
	302-1871-10	3059966	1	2000/4000 AMP
				SINGLE SCALE
	302-1871-02	3015040	1	1200 AMP
	302-1871-03	3015041	1	1600 AMP
	302-1871-04	3015042	1	2000 AMP
	302-1871-07	3051479	1	2500 AMP
	302-1871-08	3051480	1	3000 AMP

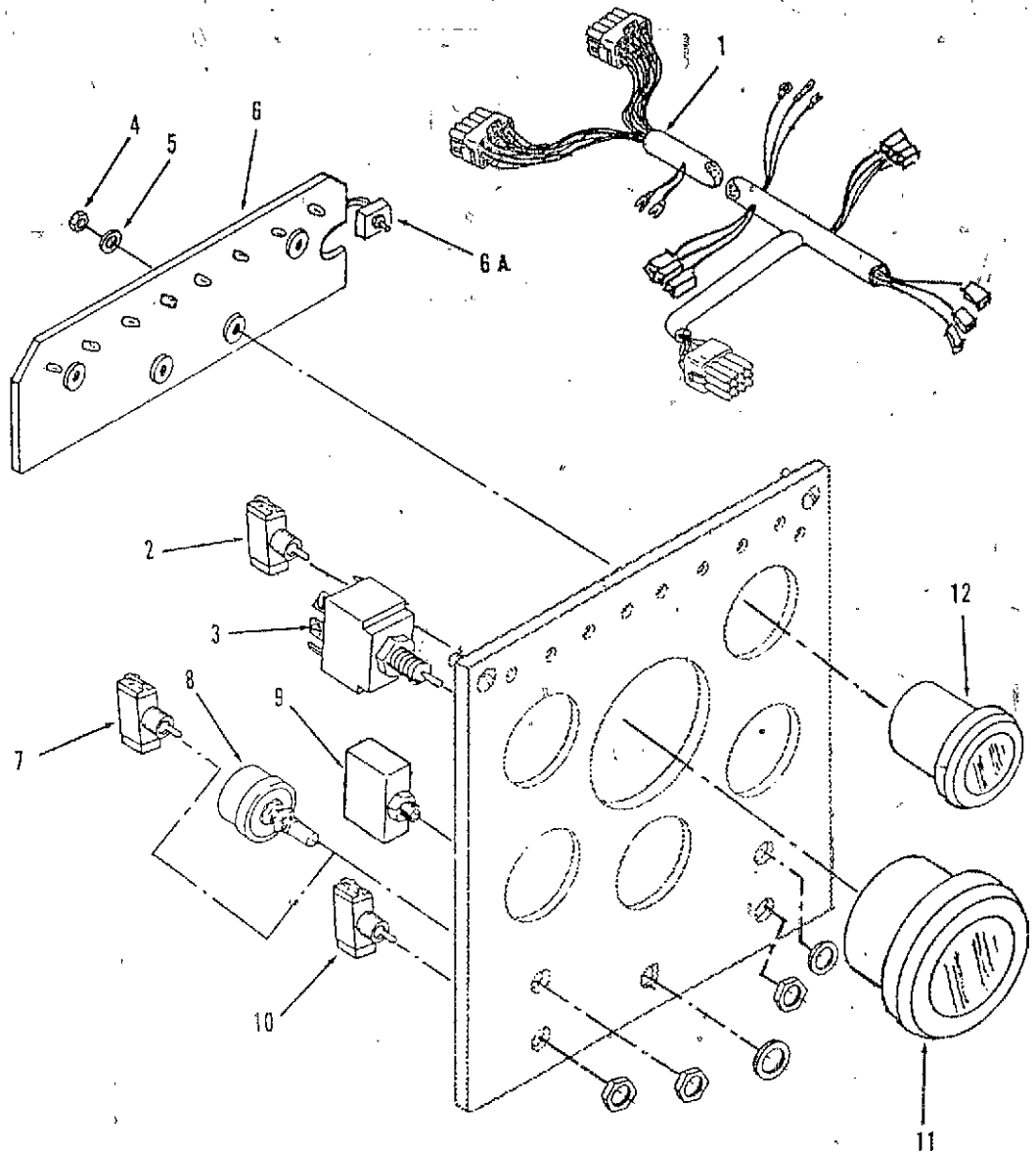
Generator Control Panel With Bulb Indicator Lights



Generator Control Panel With Bulb Indicator Lights

REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1			REF	Harness, Wiring (See Separate Pages for Selection and Applications)
2	812-0075		2	Screw, Machine - Round Head (#8-32 x 1/4")
3	306-3523		1	Shield, Switch
4	98-5387		1	Decal (Warning)
5	870-0437		7	Nut, Acorn - Plastic
6	306-3522		1	Shield, Meters
7				Lens, Indicator Light
		3018795	4	Orange
		3018796	1	Red
		3018797	1	Green
		3018798	2	White (SYNCHRONIZING)
8		3018799	8	Bulb, Incandescent
9				Socket & Socket with Switch
		3018800	7	Socket, Light
		3014667	1	Socket, Light with Push Switch
10		3015133	2	Light, Indicator - Red Lens (UPPER/LOWER SCALE INDICATING)
11				Switch, Toggle
	308-0885-05	3015057	1	(AUTOSTART-ON/OFF/STANDBY)
	308-0885-06	3015058	1	(SYNCHRONIZING)
12	308-0885-11	3055738	1	Switch, Toggle (ALARM SILENCE)
13	308-0885-08	3035149	1	Switch, Toggle (PANEL LIGHTS)
14	322-0398	3035016	2	Light, Panel (Less Bulb)
15	322-0397-01	3035018	2	Bulb, Incandescent
16		3015018	1	Wattmeter
17				Meter
	302-1856	3015043	1	Voltmeter
	302-1858	3015044	1	Frequency/RPM
				Ammeter (Select as Required)
				DUAL SCALE
	302-1871-05	3039530	1	200/400 AMP
	302-1862	3015035	1	300/600 AMP
	302-1863	3015036	1	400/800 AMP
	302-1871-06	3051478	1	500/1000 AMP
	302-1864	3015037	1	600/1200 AMP
	302-1865	3015038	1	800/1600 AMP
	302-1871-01	3015039	1	1000/2000 AMP
	302-1871-09	3059965	1	1500/3000 AMP
	302-1871-10	3059966	1	2000/4000 AMP
				SINGLE SCALE
	302-1871-02	3015040	1	1200 AMP
	302-1871-03	3015041	1	1600 AMP
	302-1871-04	3015042	1	2000 AMP
	302-1871-07	3051479	1	2500 AMP
	302-1871-08	3051480	1	3000 AMP
18	308-0884	3015860	1	Switch, Selector (Includes Knob)
19	303-0288	3058451	1	Rheostat

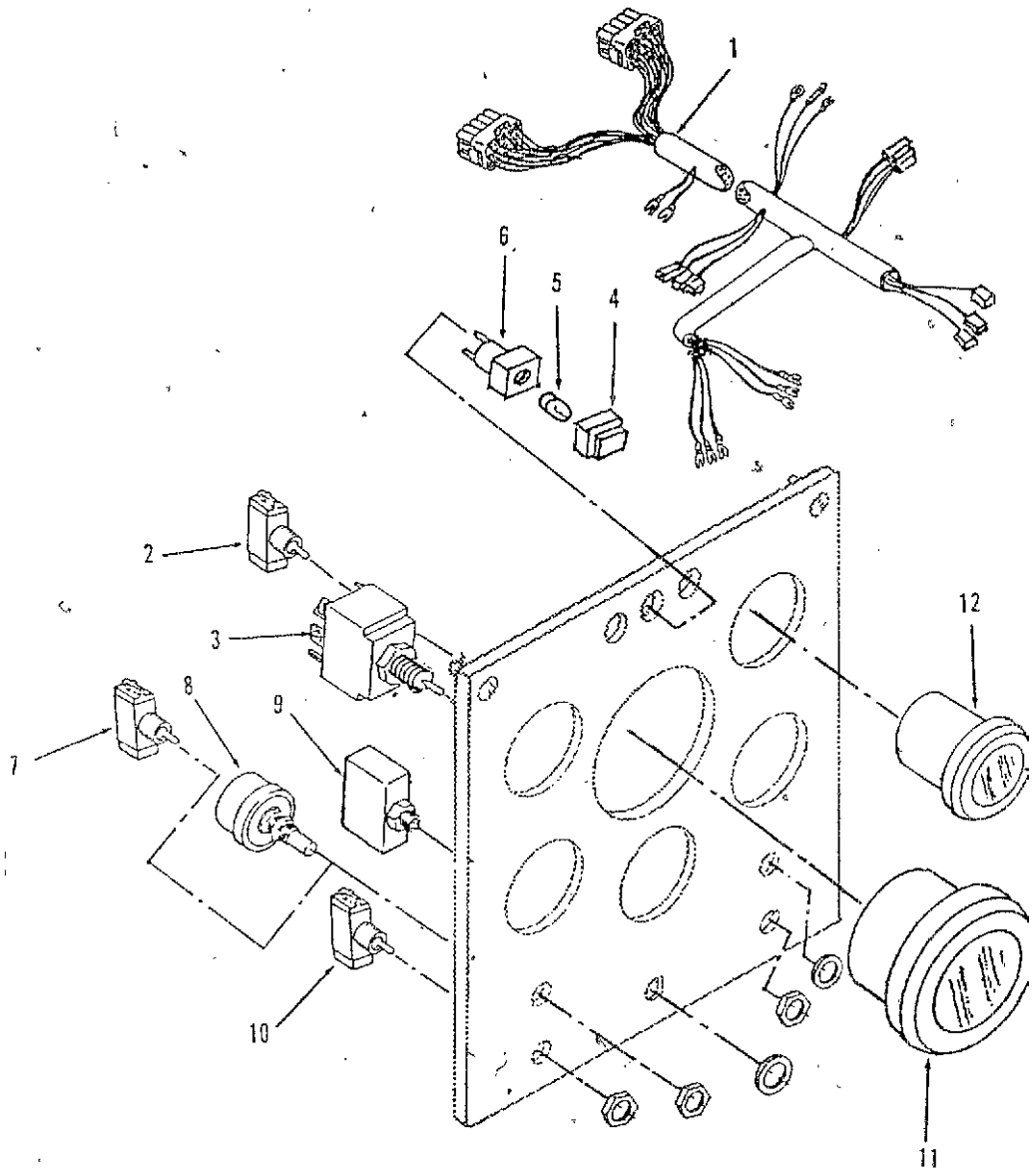
Engine Control Panel With L E D Indicator Lights



Engine Control Panel **With L E D Indicator Lights**

REF NO.	CPS PART NO.	CEC PART NO.	QTY. USED	PART DESCRIPTION
1	338-2252	3053044	1	Harness, Wiring (Includes items 2 & 3)
2	308-0885-09	3055486	1	Switch, Toggle (CRANK)
3	308-0885-01	102057	1	Switch, Toggle (START/RUN/OFF)
4	870-0451	70646	4	Nut, Self-locking - Hex (#8-32)
5	525-0352	128006	4	Washer, Flat (3/16")
6				Printed Circuit Board (Includes Test Lamp Switch)
	300-3279	3053060	1	5 L E D Indicator Lights
	300-3280	3053061	1	8 L E D Indicator Lights
6A	308-0885-10	3055487	1	Switch, Toggle (LAMP TEST)
7	308-0885-03	3015055	1	Switch, Toggle (RAISE/LOWER)
8	303-0290	3015105	1	Potentiometer (SPEED ADJUST)
9	320-1616	3034953	1	Circuit Breaker
10	308-0885-02	104215	1	Switch, Toggle (RUN/IDLE)
11	302-1855	3031734	1	Tachometer
12				Gauge/Meter
	193-0400-01	3015232	1	Gauge, Pressure - Oil
	193-0401-01	3015233	1	Gauge, Temperature - Oil
	193-0402-01	3015234	1	Gauge, Temperature - Water
	302-1857-01	3015235	1	Voltmeter
	302-1859-01	3035766	1	Hourmeter

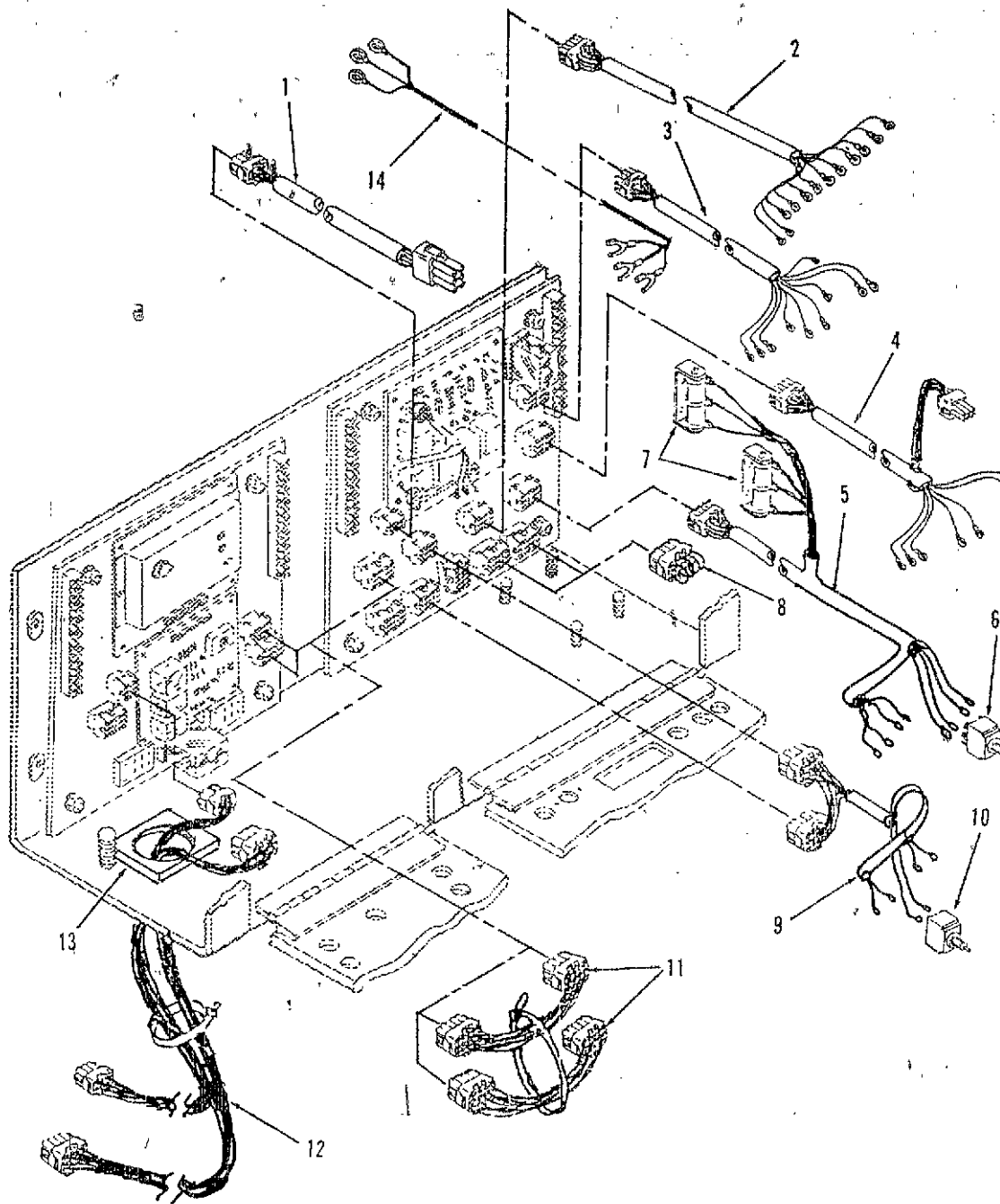
Engine Control Panel With Bulb Indicator Lights



Engine Control Panel With Bulb Indicator Lights

REF NO.	CPS PART NO.	CEC PART NO.	QTY. USED	PART DESCRIPTION
1		3035126	1	Harness, Wiring (Includes items 2 & 3)
2	308-0885-09	3055486	1	Switch, Toggle (CRANK)
3	308-0885-01	102057	1	Switch, Toggle (START/RUN/OFF)
4		3018795	3	Lens, Light (ORANGE)
5		3018799	3	Bulb, Light
6		3018800	3	Socket, Light
7	308-0885-03	3015055	1	Switch, Toggle (RAISE/LOWER)
8	303-0290	3015105	1	Potentiometer (SPEED ADJUST)
9	320-1616	3034953	1	Circuit Breaker
10	308-0885-02	104215	1	Switch, Toggle (RUN/IDLE)
11	302-1855	3031734	1	Tachometer
12				Gauge or Meter
	193-0400-01	3015232	1	Gauge, Pressure - Oil
	193-0401-01	3015233	1	Gauge, Temperature - Oil
	193-0402-01	3015234	1	Gauge, Temperature - Water
	302-1857-01	3015235	1	Voltmeter
	302-1859-01	3035766	1	Hourmeter

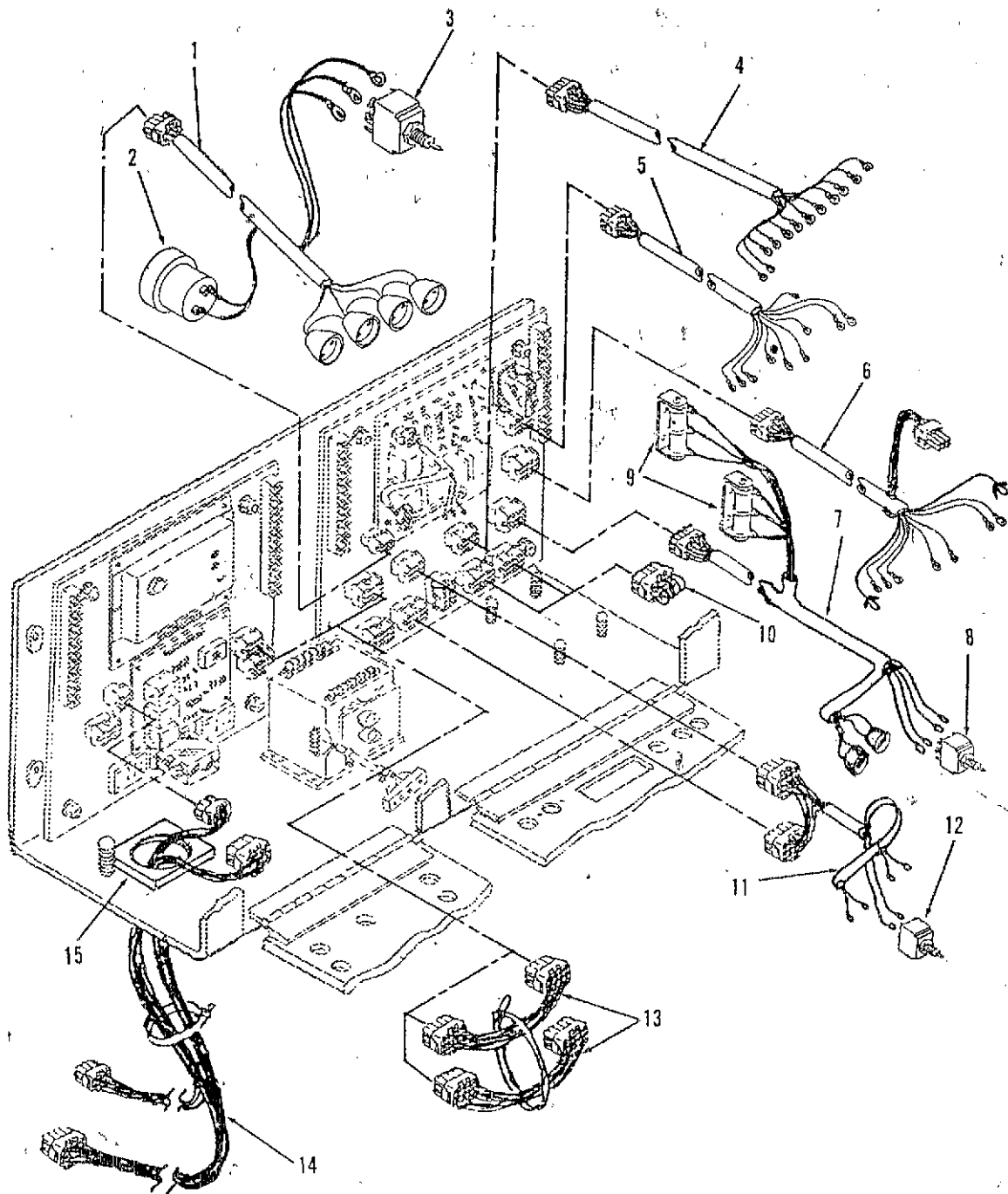
Set Control - Wiring Harnesses (Sets With LED Indicator Lights)



Set Control - Wiring Harnesses **(Sets With LED Indicator Lights)**

REF NO.	OPS PART NO.	GEN PART NO.	QTY USED	PART DESCRIPTION
1	338-2255	3053048	1	Harness, Wiring (PCB TO LED PCB)
2	338-2258	3056066	1	Harness, Wiring (PCB TO WATTMETER)
3	338-2250	3038147	1	Harness, Wiring (PCB TO VOLT/AMP SELECTOR SWITCH)
4	338-2253	3053046	1	Harness, Wiring (PCB TO AC METER)
5	338-2383	3053033	1	Harness, Wiring (PCB TO RESISTORS AND SYNCHRONIZING SWITCH; Includes The Resistors and Switch)
6	308-0885-06	3015058	1	Switch, Toggle (SYNCHRONIZING)
7		3055739	2	Resistor, Wirewound with Mounting Bracket Attaching Parts for Resistor
	860-0003	3043636	4	Nut, Hex
	850-0010	3043637	4	Washer, Lock - Spring
8	338-2312	3056089	2	Harness, Wiring (HIGH/LOW WYE ADAPTER)
9	338-2256	3056061	1	Harness, Wiring (PCB TO PANEL LIGHTS AND SWITCH; Includes The Switch)
10	308-0885-08	3035149	1	Switch, Toggle (PANEL LIGHTS)
11	338-2248	3035132	1	Harness Assembly, Wiring (ENGINE CONTROL PCB TO GENERATOR CONTROL PCB)
12				Harness Assembly, Wiring - With Shielded Leads (ENGINE WIRING HARNESS TO ENGINE CONTROL PCB; Select Length as Applicable)
	338-2301-03	3053039	1	9.3 Feet
	338-2301-04	3053040	1	11.3 Feet
	338-2301-05	3053041	1	15.3 Feet
	338-2301-06	3053042	1	25.3 Feet
	338-2301-07	3053043	1	50.0 Feet
13	331-0525	204494	1	Gasket, Conduit
14	338-2251	3044442	1	Harness, Wiring (PCB TO GEN TERMINAL BLOCK)

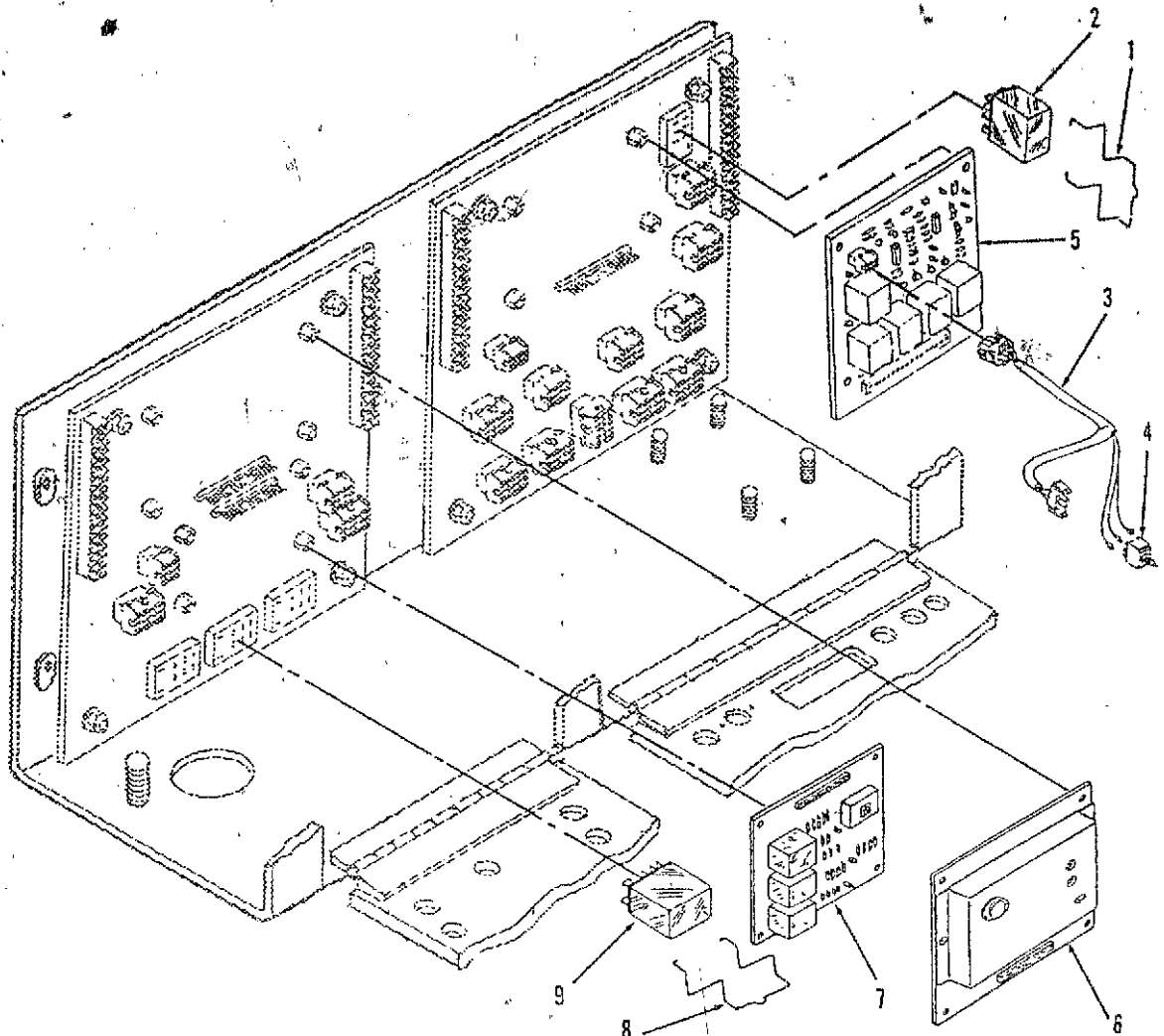
Set Control - Wiring Harnesses (Sets With Bulb Indicator Lights)



Set Control - Wiring Harnesses **(Sets With Bulb Indicator Lights)**

REF NO.	CPS PART NO.	CEG PART NO.	QTY USED	PART DESCRIPTION
1		3035145	1	Harness, Wiring (PCB TO HORN, SWITCH AND INDICATOR LIGHTS; Includes The Horn and Switch)
2		3015118	1	Horn
3	308-0885-04	3015056	1	Switch, Toggle (ALARM SILENCE)
4		3035142	1	Harness, Wiring (PCB TO WATT TRANSDUCER)
5	338-2250	3035147	1	Harness, Wiring (PCB TO VOLT/AMP SELECTOR SWITCH)
6		3035144	1	Harness, Wiring (PCB TO AC METER AND RED INDICATOR LIGHTS; Includes Red Indicator Lights)
7		3035147	1	Harness, Wiring (PCB TO RESISTORS, SYNCHRONIZING LIGHTS AND SWITCH; Includes The Resistors and Switch)
8	308-0885-06	3015058	1	Switch, Toggle (SYNCHRONIZING)
9		3015109	2	Resistor, Wirewound with Mounting Bracket
	860-0003	3043636	4	Attaching Parts for Resistor
	850-0010	3043637	4	Nut, Hex
10	338-2249	3035140	2	Washer, Lock - Spring
11	338-2256	3056061	1	Harness, Wiring (HIGH/LOW WYE ADAPTER)
12	308-0885-08	3035149	1	Harness, Wiring (PCB TO PANEL LIGHTS AND SWITCH; Includes The Switch)
13	338-2248	3035132	1	Switch, Toggle (PANEL LIGHTS)
14				Harness Assembly, Wiring (ENGINE CONTROL PCB TO GENERATOR CONTROL PCB)
	338-2276-01	3035127	1	Harness Assembly, Wiring (ENGINE WIRING HARNESS TO ENGINE CONTROL PCB; Select Length as Applicable)
	338-2276-02	3035128	1	5.3 Feet
	338-2276-03	3035129	1	7.3 Feet
	338-2276-04	3035130	1	9.3 Feet
	338-2276-05	3035131	1	11.3 Feet
13	331-0525	204494	1	15.3 Feet
				Gasket, Conduit

Set Control - Internal Components (Sets With LED Indicator Lights)



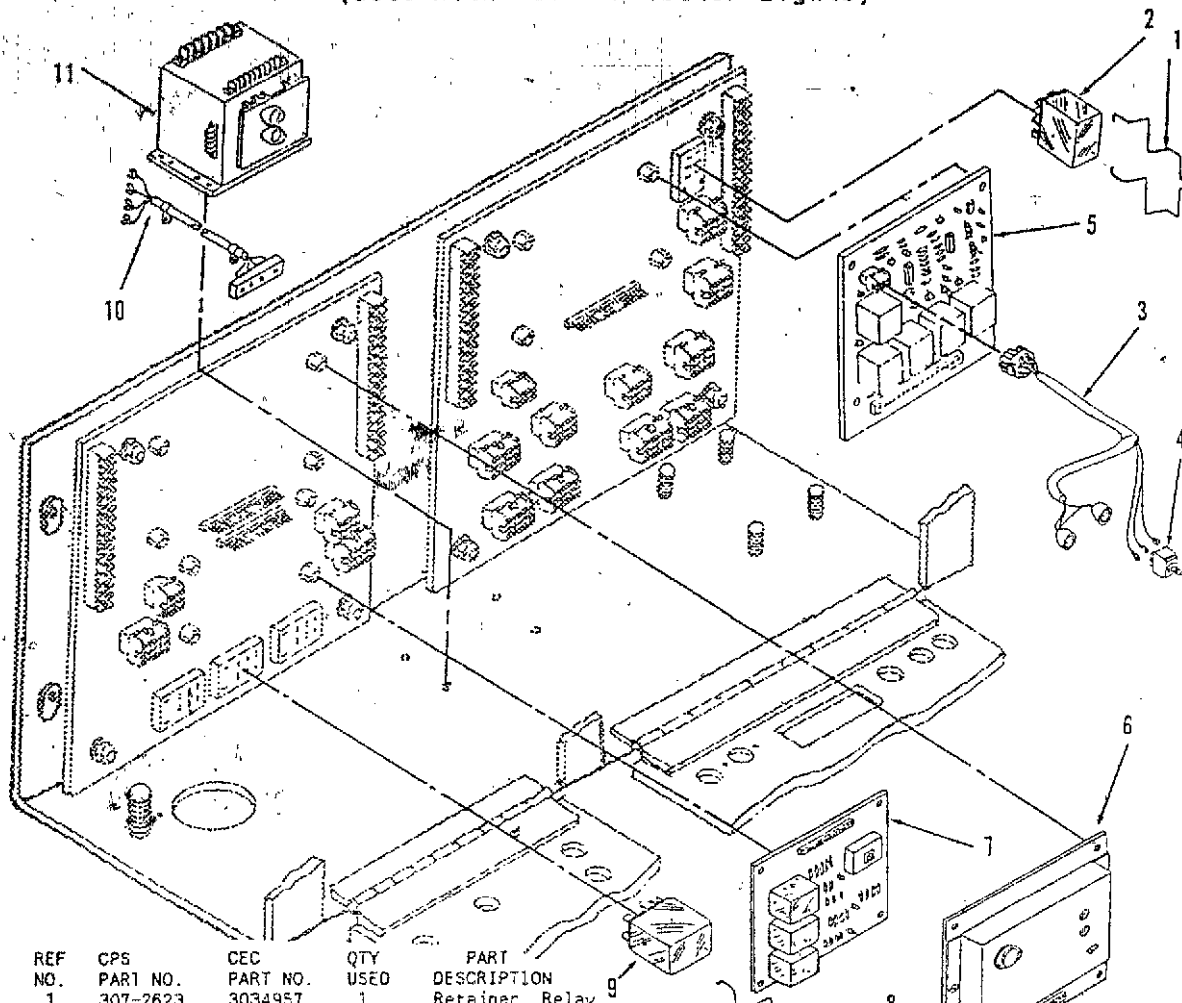
REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	307-2623	3034957	1	Retainer, Relay
2	307-2622	3034958	1	Relay
3	338-2254	3053047	1	Harness, Wiring - AutoStart to LEDs (Includes Switch)
4	308-0885-05	3015057	1	Switch, Toggle (AutoStart)
5	300-3277	3054341	1	Board, Printed Circuit - AutoStart
	815-0702	70310	4	Attaching Parts for Board
	850-1020	70262	4	Screw, Machine - Pan Head (#6-32 x 3/8")
6	151-0683-03	3082323	1	Washer, Lock - Spring (#6)
	815-0702	70310	4	Control, Governor
	850-1020	70262	4	Attaching Parts for Board
7	309-0574	3036453	1	Screw, Machine - Pan Head (#6-32 x 3/8")
	300-3591	3035015	1	Washer, Lock - Spring (#6)
	815-0702	70310	4	Control or Circuit Board (Select as Applicable)
	850-1020	70262	4	Control, Overspeed
	307-2623	3034957	1	Board, Adapter - Hydraulic Governor
	307-2684	3034962	1	Attaching Parts for Board
	815-0702	70310	4	Screw, Machine - Pan Head (#6-32 x 3/8")
	850-1020	70262	4	Washer, Lock - Spring (#6)
8	307-2623	3034957	1	Retainer, Relay
9	307-2684	3034962	1	Relay

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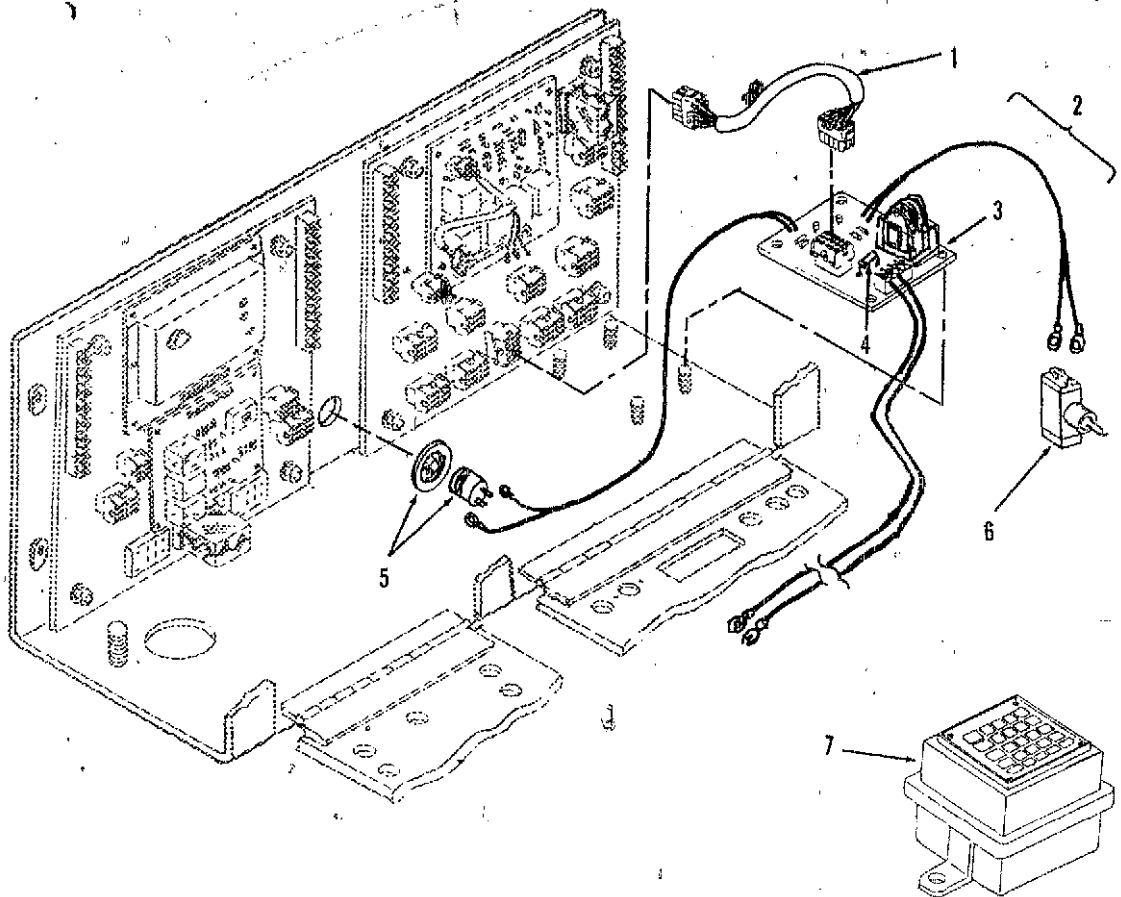
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Set Control - Internal Components (Sets With Bulb Indicator Lights)



REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	307-2623	3034957	1	Retainer, Relay
2	307-2622	3034958	1	Relay
3		3035143	1	Harness, Wiring - AutoStart to Bulbs (Includes Switch)
4	308-0885-05	3015057	1	Switch, Toggle (AutoStart)
5	308-3277	3054341	1	Board, Printed Circuit - AutoStart
				Attaching Parts for Board
	815-0702	70310	4	Screw, Machine - Pan Head (#6-32 x 3/8")
	850-1020	70262	4	Washer, Lock - Spring (#6)
6	151-0683-03	3082323	1	Control, Governor
				Attaching Parts for Board
	815-0702	70310	4	Screw, Machine - Pan Head (#6-32 x 3/8")
	850-1020	70262	4	Washer, Lock - Spring (#6)
7				Control or Circuit Board (Select as Applicable)
	309-0574	3036453	1	Control, Overspeed
	300-3591	3035015	1	Board, Adapter - Hydraulic Governor
				Attaching Parts for Board
	815-0702	70310	4	Screw, Machine - Pan Head (#6-32 x 3/8")
	850-1020	70262	4	Washer, Lock - Spring (#6)
8	307-2623	3034957	1	Retainer, Relay
9	307-2684	3034962	1	Relay
10		3015019	1	Harness, Wiring - Transducer to Wattmeter
				Attaching Parts for Harness
		3018792	2	Screw, Self-Tapping - Round Head
		3015017	1	Transducer, Watt
11				Attaching Parts for Transducer

Set Control - Alarm Module



REF NO.	CPS PART NO.	CEC PART NO.	QTY USED	PART DESCRIPTION
1	338-2257	3056062	1	Harness, Wiring - Alarm Board to Gen Control Board
2				Module, Alarm (Includes PC Board, Horn, Switch and Electrical Leads to Horn, Switch and Generator Terminal Board)
	300-3286	3054296	1	Sets with Four Fault Indicators
	300-3287	3054297	1	Sets with Six Fault Indicators
3				Board, Printed Circuit - Alarm Module (Includes Fuse)
	Note 1	Note 2	1	Sets with Four Fault Indicators
	Note 1	Note 2	1	Sets with Six Fault Indicators
				Attaching Parts for Board
	870-0451	70646	4	Nut, Self-locking - Hex (#8-32)
	526-0352	128006	4	Washer, Flat (#16")
4	Note 3	3062691	1	Fuse
5	333-0133		1	Horn, Electrical - 24VDC
6	306-0885-11	3055738	1	Switch, Toggle
7	333-0405-02	149806	1	Horn, Electrical with PC Board and Weathertight Box for Outdoor Applications. NOT PART OF SET ALARM MODULE!

NOTES: 1. Not stocked as replacement item, order applicable Item 2 for replacement.
2. Not Stocked as replacement item, order applicable Item 2 for replacement
3. Not stocked as replacement item.



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